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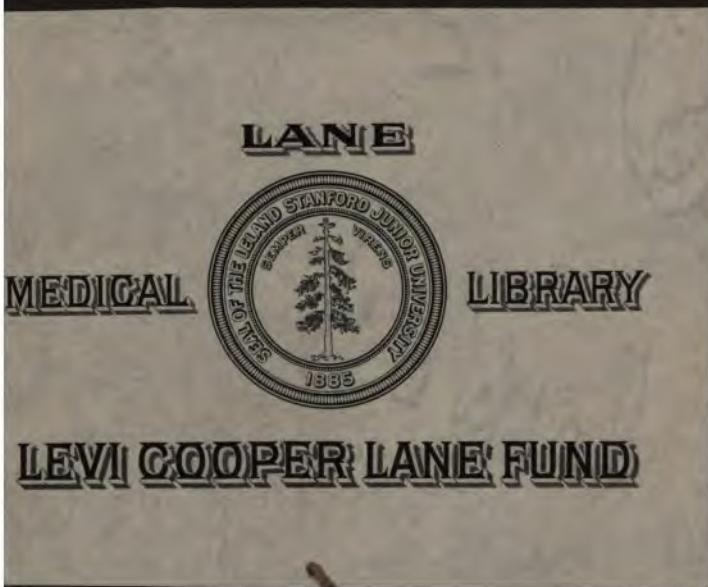
TWENTY-SIXTH

REGISTRATION REPORT.

1878.



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A II



TWENTY-SIXTH REPORT

UPON THE

Births, Marriages and Deaths,

IN THE

STATE OF RHODE ISLAND,

FOR THE

*YEAR ENDING DECEMBER 31, 1878.*

PREPARED BY

CHARLES H. FISHER, M. D.

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1879.

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OF THE  
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УЧАСТНИКИ

## *State of Rhode Island and Providence Plantations.*

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OFFICE OF THE STATE BOARD OF HEALTH,

PROVIDENCE, 1879.

*To the Honorable the General Assembly:*

The Twenty-Sixth Annual Report of the Registration of Births, Marriages and Deaths in Rhode Island, is herewith submitted. The statistics are for the year ending December 31, 1878.

In the order of arrangement of the Tables, and in the methods of classification, the same general plan has been followed, that was adopted by Dr. Thomas H. Webb in the First Registration Report for the year ending May 31st, 1853, and continued in successive Reports, to the present time.

The principal tabular change is a new Table, on page 51, showing the annual number, the aggregate number, and the *average proportion* to the *population*, of the births, marriages and deaths, in each of the several towns of the State, in the series of years from 1875 to 1878, inclusive, computed on the basis of the Census of 1875.

A few additional summaries and synopses are introduced, to illustrate some special topic, or present comparative results in a condensed form.

Notwithstanding every precaution was designed to be observed, to prevent entirely all typographical errors, a very few such have accidentally crept in, consisting almost entirely of single figures, which may be detected and rectified by the reader, on comparison with the factors or products of the same. It has been found almost impossible to secure exact perfection in printing a multitude of figures in tabular form, and this Report is not without precedent.

In accordance with common experience, there was at the commencement some feeling of uncertainty as to the best mode of procedure in the execution of the new work, but the knowledge acquired in the preparation of the Registration Report herewith presented, will be a valuable aid in suggesting methods by which the preparation of a succeeding Report, may be accomplished with greater facility.

The number of births reported in Rhode Island, for the year 1878, was 6,714, which was 479 *more* than for the year 1877, and larger than in any previous year.

The number of marriages was 2,324, which was 42 *more* than in 1877; and the number of deaths 4,441, which was 9 *less* than in 1877.

The proportions of births, of persons married, and of deaths to the population in Rhode Island in 1878, by the Census of 1875, were as follows:

**102600**

One birth to every 38.5 persons, or about 26 in each 1,000; one person married in every 55.7 persons, or about 18 in each 1,000; and one death in every 58.1 persons, or 17.21 in each 1,000.

The number of *applications* for divorce in Rhode Island in 1878, was 258, which was one more than in 1877, and four more than in 1876. The number of divorces *granted* was 196, which was 18 more than in 1877, and exactly the same as in 1876.

For every 11.9 marriages in the State in 1878, there was one divorce.

It has been the ardent desire of every compiler of the Rhode Island Registration Reports, to secure as accurate and full returns from the several towns as possible, and to effect that purpose, circulars have, from time to time, been sent to the town clerks of all the towns, heretofore through the courtesy of the Secretary of State, or by him; and during the past year by the Secretary of the State Board of Health, directing attention to the sources of inaccuracy, and suggesting modes of procedure by which the returns might be made more correct.

In regard to deaths and the causes of death, there can be no question of the continuance of the defects in the returns heretofore the rule, until a law, requiring reports of the same at the time they occur, and burial permits in connection therewith, shall have been enacted by the General Assembly, and its provisions enforced.

The following quotation from the United States Census Report of 1870, Vital Statistics, Vol. 1, page 15, is quite to the purpose:

"The great deficiency manifest in the returns of deaths, a deficiency inherent in any system, which seeks to secure complete returns of these events for an entire year, by simply conducting an inquiry at its close, will, for the future, it is earnestly hoped, be remedied by legislation—for the registry of deaths as they occur."

Pertinent to the foregoing remarks, the following statement in relation to returns of *causes* of death, will present an illustration:

DEATHS REPORTED IN RHODE ISLAND IN 1878,

Whole No. of Deaths. Cause not stated.

Providence City.....	1,989.....	16.....	or one in every 124.3
Rest of State....	2,452.....	194.....	or one in every 12.6

Providence city shows about four-ninths of the mortality of the State, the *ratio* of deaths from cause unknown or not stated, in the city, would make the number in the State about twenty instead of one hundred and ninety-four; or a proportion about ten times greater.

The difference arises from the fact, that the city requires a permit for the interment or removal of the dead, which is given upon application when the proper return of death is made.

Respectfully,

CHAS. H. FISHER, M. D.,

*Secretary of the State Board of Health, and State Registrar of Vital Statistics.*

## C O N T E N T S .

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	Page.
<b>TABLE I.</b> General abstract of the births, marriages and deaths in 1878; showing the number of births, the sex and parentage of those born; the number of marriages, with the nativity of those married; the number of deaths, with the sex and parentage of those who died; the aggregate and average age of the decedents of each sex, and of the whole number of decedents whose age was given; also the population of each town and division of the State by the census of 1875.....	2-3
<b>TABLE II.</b> Births; showing the number of each sex born, in each month of the year, in the several divisions of the State.....	4-5
<b>TABLE III.</b> Plurality births; arranged by months, sexes and divisions of the State; and showing the nativity of the parents .....	6
<b>TABLE IV.</b> Marriages; showing the number of marriages in each month, and in each quarter of the year, in the several divisions of the State....	7
<b>TABLE V.</b> Ages of persons married; showing the number of each sex married, within certain stated periods of life.....	8
<b>TABLE VI.</b> Deaths; showing the number of each sex who died in each month, in the several divisions of the State.....	9
<b>TABLE VII.</b> Deaths; showing the number of each sex who died at certain stated periods of life, in each town and division of the State; also the population of each sex in every town and division; with the percentage of deaths to population.....	10-15
<b>TABLE VIII.</b> Causes of Death and Season in 1878; arranged alphabetically, showing the number of each sex who died from each cause, in each month, and in the whole year; and also the number of American and of foreign parentage, for the whole year.....	16-20
<b>TABLE IX.</b> Causes of Death and Age; arranged alphabetically, and showing the number of each sex who died from each cause, in each period of life.....	21-26
<b>TABLE X.</b> Classification and Percentage; showing the number and percentage of deaths from each cause, and each class of causes, in the whole State, and in each division of the State.....	27-34
<b>TABLE XI.</b> Occupations and Ages at Death; showing the number, and the aggregate and average age at death, of the decedents, in each occupation, and class of occupations, in the whole State, in Providence city, and in the rest of the State, ages under 20 omitted.....	35-39
<b>TABLE XII.</b> Occupations and Causes of Death; showing the number in each occupation, and class of occupations, who died by each specified cause; omitting ages under 20.....	40-45
<b>RESULTS AND OBSERVATIONS, 1878.....</b>	46-57
<b>TABLE XIII.</b> Births, marriages and deaths in twenty-five years.....	46
<b>TABLE XIV.</b> Number and proportion of births, marriages and deaths in 1878 to the population by the census of 1875, in each town and county in the State.....	47

	Page.
TABLE XV. Births, marriages and deaths in each town and county in Rhode Island, in each of the four years, 1875 to 1878, inclusive, with the aggregates of the same; also the proportions of the average annual number of these events, to the population of each town, by the census of 1875.....	51-52
TABLE XVI. Proportion of births, marriages and deaths to the population of the State, in each of the last ten years.....	56
Remarks on the preceding Tables.....	48-57
<b>BIRTHS, 1878.....</b>	<b>58-74</b>
Sex of the children born in 1878.....	58
TABLE XVII. Number and proportion of each sex in each of twenty-five years.....	58
TABLE XVIII. Proportion of the sexes born, in each division of the State, in 1878.....	59
TABLE XIX. Proportion of the sexes born, in each division of the State, in each of the last sixteen years.....	61
Sex and season of births.....	62-65
Number and proportion of each sex born in each quarter of the year 1878.	62
TABLE XX. Proportion of each sex born in each quarter of the last thirteen years.....	62
TABLE XXI. Season in connection with the whole number of children born for twenty-six years .....	64
Parentage.....	65-68
TABLE XXII. Parentage of children born in the last six years, and in three periods, of five years each, from 1858-1872, inclusive.....	65
TABLES XXIII and XXIV. Percentage by parentage of children born in Rhode Island, in twenty-one years.....	66-67
Towns with more children born of foreign than of American parentage..	67
Colored children.....	68
"      " number born in each town.....	68
TABLE XXV. Number of the child of the mother. ( <i>Table for 1878 and for twenty-two years, 1857-1878.</i> ).....	69
TABLE XXVI. Percentage of first, second, third, &c., children for eleven years.....	70
Plurality births in 1878.....	70
"      " in Rhode Island for twenty-six years.....	71
Still-born children.....	71-74
"      " in 1878; sex, parentage, color, season.....	72
TABLE XXVII. Summary of still-born in twenty-six years and seven months.....	72
Nativity of parentage of still-born children.....	73-74
<b>MARRIAGES, 1878.....</b>	<b>75-81</b>
TABLE XXVIII. Season in connection with marriages, twenty-five years.....	75
TABLE XXIX. Nativity of persons married in Rhode Island in the last twenty-one years.....	76

	Page.
<b>TABLE XXX.</b> Percentage of marriages, American, foreign and mixed, for twenty-one years.....	77
<b>TABLE XXXI.</b> Number of persons married, of each sex, in each division of ages, in 1878.....	78
<b>TABLE XXXII.</b> Number of persons married, of each sex, in each division of ages, in each of the thirteen years, 1866-1878.....	78
<b>TABLES XXXIII and XXXIV.</b> Percentage of persons married at different ages, nineteen years. ....	79-80
Marriages of colored persons, number and locality.....	81
<b>DIVORCES, 1878.</b> .....	82-83
<b>TABLE XXXV.</b> Divorces, 1878, number granted, causes alleged.....	82
Number applied for, and granted, in each of the last six years.....	83
<b>TABLE XXXVI.</b> Number granted, and proportion of marriages to each divorce, in each division of the State, in each of the last ten years....	83
<b>DEATHS, 1878.</b> .....	84-138
Sex of the decedents.....	85
<b>TABLE XXXVII.</b> Number and proportion of the sexes among decedents, twenty-six years.....	86
<b>TABLE XXXVIII.</b> Number and proportion of the sexes among children born, twenty six years.....	86
<b>TABLE XXXIX.</b> Season and mortality; numbers and proportions at different seasons, twenty-six years.....	87
<b>TABLE XL.</b> Providence city compared with the rest of the State.....	88
Order of the months in respect to mortality in Rhode Island.....	89
<b>TABLE XLI.</b> Order of the months in respect to mortality, according to parentage, in Providence city.....	90
Parentage of the decedents in Rhode Island.....	91
<b>TABLE XLII.</b> Numbers and proportion according to parentage, twenty-one years.....	92
<b>TABLE XLIII.</b> Age of the decedents; average in the several divisions of the State, for twenty-one years.....	93
<b>TABLE XLIV.</b> Percentage of decedents at different ages, twenty-six years.....	94
Percentage of decedents at different ages, in different towns, and in different classes of the population .....	96
Colored decedents in Rhode Island.....	97
Sex, season, average age of colored decedents.....	98
<b>TABLE XLV.</b> Births, marriages and deaths among the colored population, in 1878.. .....	98
Same for eighteen years.....	99
<b>CAUSES OF DEATH, 1878.</b> .....	101-138
<b>TABLE XLVI.</b> Cause not stated in 1878, number and proportion in each county.....	101
<b>TABLE XLVII.</b> Cáuse not stated, number and proportion for each county, sixteen years.....	102

	Page.
TABLE XLVIII. Thirteen principal causes of death in twenty-six years in Rhode Island.....	104
TABLE XLIX. Causes of death; number of decedents in 1878, from sixteen principal causes, showing the relation of the causes to sex, parentage, season, age and locality.....	106-107
Consideration of different causes of death.....	108-138
Accidents, 1878.....	108
TABLE L. Apoplexy and Paralysis; number of deaths, percentage, sex, parentage and locality, fourteen years.....	109
TABLE LI. Apoplexy and Paralysis; periods of life of decedents.....	111
Brain, Diseases of. ....	111
Cancer.....	112
Child-birth.....	113
Cholera Infantum.....	113
TABLE LII. Cholera Infantum; number of deaths, sex, parentage and locality, fourteen years.....	115
Consumption.....	115-117
TABLE LIII. Consumption; number and percentage of deaths, in each county in the State, in nineteen years.....	118-119
Consumption; deaths in proportion to the population at given dates....	121-122
TABLE LIV. Croup and Diphtheria; number of deaths according to sex, in each of the last seven years.....	123
TABLE LV. Croup and Diphtheria; number of deaths, sex and parentage, fourteen years. ....	124
TABLE LVI. Croup, and Scarlatina; number and percentage of deaths in each month, in the aggregate for the twenty-six years, 1853-1878, inclusive. Diphtheria, 1858-1878, inclusive.....	126
Mortality from these diseases at different seasons of the year.....	127
Diphtheria; percentage of mortality in the different divisions of the State, 1877-1878.....	128
TABLE LVII. Scarlatina; number and percentage of deaths; and sex, parentage and locality of the decedents, twenty-four years.....	129
TABLE LVIII. Heart, Diseases of; number and percentage of deaths; sex, parentage and locality of decedents, fourteen years.....	130
TABLE LIX. Periods of life of decedents, fourteen years.....	131
TABLE LX. Pneumonia and Congestion of the Lungs; number of deaths, percentage, sex, parentage and locality, fourteen years.....	132
TABLE LXI. Pneumonia and Congestion of the Lungs; periods of life of decedents.....	133
TABLE LXII. Fever, Typhoid and Typhus; number of deaths, percentage, sex, parentage and locality, fourteen years.....	134
TABLE LXIII. Fever, Typhoid and Typhus; periods of life of decedents, Comparative results.....	135-138
TABLE LXIV. Percentages of death from twenty-one principal diseases, 1876-1878.....	136
Comparison of mortality from above diseases.....	137-138
Conclusion .....	139
APPENDIX; Registration Laws of Rhode Island.....	140-144

REPORT ON REGISTRATION

OF

BIRTHS, MARRIAGES AND DEATHS,

IN

R H O D E I S L A N D ,

FOR THE

YEAR ENDING DECEMBER 31, 1878.

GENERAL ABSTRACT OF BIRTHS, MARRIAGES AND DEATHS,  
IN THE STATE OF RHODE ISLAND DURING THE YEAR  
1878.

TOWNS		MARRIAGES, 1878.		DEATHS, 1878.			Aggregate Age of all years. Average Age of all years.
AND DIVISIONS OF THE STATE.		BIRTHS, 1878.		NATIVITY.			
SEX.	PARENTAGE.	SEX.	PARENTAGE.	SEX.	PARENTAGE.	SEX.	Average Age in Years.
Whole Number.	Proportion in 1875.	Whole Number.	Proportion.	Whole Number.	Proportion.	Whole Number.	
Am. male.	For. male.	Am. female.	For. female.	Am. male.	For. male.	Am. female.	Aggregate Age of all years. Average Age of all years.
Whole Number.	Proportion.	Whole Number.	Proportion.	Whole Number.	Proportion.	Whole Number.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	
American.	American.	American.	American.	American.	American.	American.	
20	12	8	17	1	5	23	16
1,186	1,186	583	583	51	24	85	30
5,836	5,836	2,951	2,951	48	24	42	43
4,005	4,005	2,003	2,003	3	2	38	47
11,019	11,019	5,507	5,507	104	53	106	106
258	141	117	117	104	53	130	130
Bristolton.....	Bristolton.....	91	57	94	47	96	33
Bristol.....	Bristol.....	52	39	55	35	80	42
Warren.....	Warren.....	23	14	30	19	17	32
BRISTOL COUNTY....	KENT COUNTY....	1,084	1,084	9	7	16	9
11,614	20,348	140	94	132	124	15	13
Coventry.....	Jamestown.....	94	54	100	56	146	93
West Greenwich.....	Little Compton.....	32	23	100	56	100	56
Warwick.....	Middleton.....	12	6	100	56	100	56
BRIXTON COUNTY....	New Shoreham.....	1,147	1,147	18	10	18	9
1,088	1,088	18	10	17	17	20	11
2,101	67	33	94	47	17	17	9
TOWN, NEWPORT Co.	TOWN, NEWPORT Crry.	157	85	72	37	3	5
7,869	14,088	353	193	169	41	43	14
476	476	122	73	127	73	29	11
223	223	111	112	111	112	149	81
111	111	35	23	76	41	41	41
3,065	3,407	1,682	1,682	50,37	48,06	35	35
81	81	53	53	33,90	33,41	9,700	9,700
83,00	83,00	82,57	82,57	171	171	254	254
60,08	60,08	37,55	37,55	222	222	60,17	60,17
33,13	33,13	33,13	33,13	11,33	11,33	46,14	46,14
47,17	47,17	47,17	47,17	7	7	59,01	59,01
32,02	32,02	32,02	32,02	12,50	12,50	47,18	47,18
21,50	21,50	21,50	21,50	9	9	57,00	57,00
31,55	31,55	31,55	31,55	9	9	95,44	95,44
60,80	60,80	60,80	60,80	10	10	1,070	1,070
57,75	57,75	57,75	57,75	8	8	59,44	59,44
8,747	8,747	8,747	8,747	4	4	49,30	49,30
35	35	35	35	72	72	35	35
4,988	4,988	31,52	31,52	111	111	33,54	33,54
31,52	31,52	31,52	31,52	111	111	87,86	87,86

TOWNS AND DIVISIONS OF THE STATE.	BIRTHS, 1878.		MARRIAGES, 1878.		DEATHS, 1878.		AVERAGE AGE, IN YEARS, OF ALL YEARS, OR ALL YEARS, IN AGGREGATE.	
	POPULATION IN 1875	SEX.	PARENTAGE.		SEX.	PARENTAGE.		
			AMERICAN.	FOREIGN.		AMERICAN.		
Burrillville.....	5,349	69	61	40	63	9	18	31.98
Cranston.....	5,698	65	63	48	52	13	13	31.98
Cumberland.....	5,673	86	79	48	92	12	13	31.98
East Providence.....	4,336	66	83	33	10	11	19	31.98
Foster.....	1,543	22	8	14	22	1	37	31.98
Gloster.....	2,098	48	23	25	32	12	1	31.98
Johnston.....	4,906	135	68	67	80	32	14	31.98
Lincoln.....	11,565	335	169	166	64	255	22	31.98
North Providence.....	1,363	26	11	16	19	3	2	31.98
North Smithfield.....	2,797	62	25	37	13	41	5	31.98
Pawtucket.....	18,464	588	253	275	197	222	52	31.98
Schituate.....	4,101	80	40	40	65	6	4	31.98
Smithfield.....	2,857	74	40	34	36	25	8	31.98
Woonsocket.....	13,576	404	223	181	103	254	22	31.98
TOWNS, PROV. CO. ....	84,249	2,321	1,167	1,156	867	1,097	172	187
PROVIDENCE CITY. ....	100,675	2,585	1,325	1,250	1,020	1,159	177	228
Charlestown.....	1,054	14	9	5	11	3	7	7
Exeter.....	1,355	23	9	14	28	33	4	4
Hopkinton.....	9,700	65	42	52	67	17	4	4
Kingston.....	3,505	94	42	52	52	5	4	4
South Kingston.....	4,240	106	52	52	54	39	5	4
Richmond.....	1,739	49	18	31	35	9	3	3
Westerly.....	5,408	114	47	67	57	5	7	5
WASHINGTON CO. ....	20,061	465	205	260	337	84	20	24
COUNTIES.								
Bristol.....	11,019	258	141	117	104	24	13	6
Kent.....	20,348	450	246	204	146	100	96	14
Newport.....	21,887	632	308	323	315	226	48	16
Providence.....	164,924	4,908	2,302	2,406	1,867	2,256	349	415
Washington.....	20,061	465	205	260	337	84	20	24
WHOLE STATE. ....	258,259	6,714	3,402	3,312	2,187	2,848	463	516

TABLE II.—BIRTHS, 1878.

*Arranged by Months, Sexes, and Divisions of the State.*

MONTHS.	SEX.	DIVISIONS OF THE STATE.							
		Whole State.	Bristol County.	Kent County.	Newport County, Towns.	Newport City.	Providence County, Towns.	Providence City.	Washington County.
January . . . .	Males . . . .	293	14	10	7	14	109	127	12
	Females . . . .	236	13	11	3	15	88	88	18
	Total . . . .	529	27	21	10	29	197	215	35
February . . . .	Males . . . .	256	9	18	8	16	90	98	17
	Females . . . .	256	13	21	4	24	81	91	22
	Total . . . .	512	22	39	12	40	171	189	39
March . . . . .	Males . . . . .	288	12	24	7	16	108	106	15
	Females . . . . .	293	12	18	4	19	101	117	22
	Total . . . . .	581	24	42	11	35	209	223	37
April . . . . .	Males . . . . .	272	6	21	6	17	86	121	15
	Females . . . . .	233	5	12	1	14	83	101	17
	Total . . . . .	505	11	33	7	31	169	222	32
May . . . . .	Males . . . . .	262	12	19	5	24	89	97	16
	Females . . . . .	275	11	30	5	19	94	95	21
	Total . . . . .	537	23	49	10	43	183	192	37
June . . . . .	Males . . . . .	244	12	20	3	16	79	102	12
	Females . . . . .	279	11	20	6	16	100	102	24
	Total . . . . .	523	23	40	9	32	179	204	36
July . . . . .	Males . . . . .	275	13	21	7	17	92	109	16
	Females . . . . .	279	7	15	5	27	106	99	20
	Total . . . . .	554	20	36	12	44	198	208	36

TABLE II.—BIRTHS, 1878.—Continued.

MONTHS.	SEX.	DIVISIONS OF THE STATE.							
		Whole State.	Bristol County.	Kent County.	Newport County, Towns.	Newport City.	Providence County, Towns.	Providence City.	Washington County.
August.....	Males....	285	16	29	6	14	86	114	20
	Females..	304	12	17	13	29	95	117	21
	Total.....	589	28	46	19	43	181	231	41
September..	Males....	320	10	22	9	18	115	126	20
	Females..	268	5	15	9	17	96	106	20
	Total.....	588	15	37	18	35	211	232	40
October....	Males....	284	12	14	8	21	99	109	21
	Females..	294	8	17	9	26	108	106	20
	Total.....	578	20	31	17	47	207	215	41
November ..	Males....	304	15	25	6	22	104	115	17
	Females..	307	10	14	6	23	107	120	27
	Total.....	611	25	39	12	45	211	235	44
December ..	Males....	319	10	23	13	28	110	111	24
	Females..	288	10	14	7	24	97	108	28
	Total.....	607	20	37	20	52	207	219	52
Whole Year.	Males....	3,402	141	246	85	223	1,167	1,335	205
	Females..	3,312	117	204	72	253	1,156	1,250	260
	Total....	6,714	258	450	157	476	2,323	2,585	465

TABLE III.—PLURALITY BIRTHS, 1878.  
ARRANGED BY MONTHS AND DIVISIONS OF THE STATE, AND SHOWING THE NATIVITY OF THE PARENTS.

MONTHS.	SEX.	Number of Cases.	DIVISIONS OF THE STATE.		NATIVITY OF THE PARENTS.	
			No. of Children.	No. of Children.	Irish mother.	English mother.
January.....	Males,	2	1	1	1	1
	Females,	0	1	1	1	1
February.....	Males,	5	1	2	2	2
	Females,	3	1	1	1	1
March.....	Males,	6	1	1	2	3
	Females,	8	1	1	1	1
April.....	Males,	4	1	2	2	2
	Females,	3	1	1	1	1
May.....	Males,	3	1	1	1	1
	Females,	4	1	1	1	1
June.....	Males,	3	1	1	1	1
	Females,	5	1	1	1	1
July.....	Males,	7	2	2	1	2
	Females,	12	2	2	1	2
August.....	Males,	6	1	2	1	1
	Females,	9	1	2	1	1
September.....	Males,	4	1	1	1	1
	Females,	4	1	1	1	1
October.....	Males,	8	1	2	1	2
	Females,	9	1	2	1	2
November.....	Males,	3	1	1	1	1
	Females,	3	1	1	1	1
December.....	Males,	6	1	1	1	1
	Females,	7	1	1	1	1
Whole Year.....	Males,	56	1	5	2	2
	Females,	74	1	5	4	3

\* A triple birth in Woonsocket, in May, one male and two females, of Irish parentage.

TABLE IV.—MARRIAGES, 1878.

*Arranged by Months and Divisions of the State.*

MONTHS.	DIVISIONS OF THE STATE.								Whole State, 1878.
	Whole State, 1878.	Bristol County.	Kent County.	Newport County, Towns.	Newport City.	Providence County, Towns.	Providence City.	Washington County.	
January.....	197	12	17	4	13	60	76	15	173
February.....	160	3	10	1	11	39	74	22	148
March.....	159	5	13	2	8	46	73	12	116
First Quarter.....	516	20	40	7	32	145	223	49	437
April.....	169	3	18	2	7	46	76	17	206
May.....	192	11	13	5	12	62	68	21	183
June.....	208	8	14	4	5	56	104	17	193
Second Quarter.....	569	22	45	11	24	164	248	55	582
July.....	197	9	12	1	14	59	94	8	176
August.....	152	5	8	....	11	51	62	15	186
September.....	208	8	13	1	15	60	93	18	214
Third Quarter.....	557	22	33	2	40	170	249	41	576
October.....	236	18	12	1	17	72	99	17	214
November.....	258	10	12	10	9	79	115	23	254
December.....	182	12	4	4	5	53	82	22	219
Fourth Quarter.....	676	40	28	15	31	204	296	62	687
Whole Year.....	2,318	104	146	35	127	683	1,016	207	2,282

TABLE V.—AGES OF PERSONS MARRIED, 1878.

	AGES OF WOMEN.											Whole Number of Males.			
	Under 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	Not stated.	
Under 20.....	66	20	4	1											91
20 to 25.....	319	481	78	11	1	1									891
25 to 30.....	108	314	197	38	11	3	1							1	673
30 to 35.....	23	65	98	59	16	2	1								264
35 to 40.....	9	31	41	30	31	7	1								150
40 to 45.....	1	13	16	21	23	20	3							1	98
45 to 50.....	6	6	8	14	9	4	2								49
50 to 55.....	1	4	2	8	12	2	4	3							36
55 to 60.....	3	3	4	3	6	7	2	2	1						31
60 to 65.....				1	3	4	4	2	1						16
65 to 70.....					2	1	3	1	4	1				1	12
70 to 75.....						1				1				1	2
75 to 80.....											1			1	1
Not stated.....				1								3		4	
Whole No. Females.	526	935	447	175	109	64	25	13	8	4	5	3	4	2,318	

TABLE VI.—DEATHS, 1878.

*Arranged by Months, Sexes, and Divisions of the State.*

MONTHS.	SEX.	DIVISIONS OF THE STATE.							
		Whole State.	Bristol County.	Kent County.	Newport County, Towns.	Newport City.	Providence County, Towns.	Providence City.	Washington County.
January....	Males....	186	6	15	2	7	50	98	8
	Females..	214	8	13	1	12	59	110	11
	Total....	400	14	28	3	19	109	208	19
February....	Males ...	173	7	9	3	9	53	84	8
	Females..	189	9	12	2	13	52	91	10
	Total....	362	16	21	5	22	105	175	18
March.....	Males....	192	10	9	4	15	75	74	5
	Females..	204	9	12	5	11	71	84	12
	Total....	396	19	21	9	26	146	158	17
April.....	Males....	176	6	8	3	9	51	88	11
	Females..	174	9	7	1	9	61	76	11
	Total....	350	15	15	4	18	112	164	22
May.....	Males....	159	6	15	1	8	54	65	10
	Females..	149	6	5	2	4	51	66	15
	Total....	308	12	20	3	12	105	131	25
June.....	Males....	144	4	12	5	9	53	52	9
	Females..	166	12	12	3	9	43	76	11
	Total....	310	16	24	8	18	96	128	20
July.....	Males....	224	11	10	4	9	68	111	11
	Females..	186	5	14	3	11	51	92	10
	Total....	410	16	24	7	20	119	203	21
August....	Males....	205	10	14	4	9	73	83	12
	Females..	215	7	12	3	13	80	92	8
	Total....	420	17	26	7	22	153	175	20
September..	Males....	167	5	11	3	8	60	70	10
	Females..	178	13	16	4	6	58	72	9
	Total....	345	18	27	7	14	118	142	19
October....	Males....	152	9	9	1	4	38	78	13
	Females..	190	9	12	3	9	60	82	15
	Total....	342	18	21	4	13	98	160	28
November..	Males....	182	5	11	7	8	56	84	11
	Females..	195	10	20	4	6	65	81	9
	Total....	377	15	31	11	14	121	165	20
December ..	Males....	201	8	12	4	16	62	82	17
	Females..	220	9	18	4	9	67	98	15
	Total....	421	17	30	8	25	129	180	32
Whole Year.	Males....	2,161	87	135	41	111	693	969	125
	Females..	2,280	106	153	35	112	718	1,020	136
	Total....	4,441	193	288	76	223	1,411	1,989	261

## TABLE VII.—DEATHS, 1878.

*Showing the Number of each Sex, in each Period of Life, in every Town and Division of the State; also the Ratio of Deaths to Population.*

TOWNS AND DIVISIONS OF THE STATE.	Whole Number.	SEX.	Per cent. to Population.	DEATHS, 1878.			
				Whole Number.	SEX.	Under 1 year. 1 and under 2. 2 and under 3.	
Barrington.....	1,185	Males... Females..	572 1.94 613	23	7 .. 16 1 1 ..	1 .. 1 ..	
Bristol.....	5,829	Males... Females.	2,747 1.46 3,082	85	42 3 .. 43 6 3 ..	2 .. 3 ..	
Warren.....	4,005	Males... Females.	1,823 2.12 2,182	85	38 5 .. 47 4 4 ..	4 .. 3 ..	
BRISTOL COUNTY....	11,019	Males... Females.	5,142 1.75 5,877	193	87 8 .. 106 11 8 ..	7 .. 6 ..	
Coventry.....	4,580	Males... Females.	2,173 1.75 2,407	80	42 6 .. 38 5 1 ..	1 .. 3 ..	
East Greenwich.....	3,120	Males... Females.	1,508 1.28 1,612	40	17 2 .. 23 4 1 ..	2 .. 1 ..	
West Greenwich.....	1,034	Males... Females.	516 1.55 518	16	9 2 .. 7 1 ..	2 .. 1 ..	
Warwick.....	11,614	Males... Females.	5,683 1.31 5,931	152	67 12 .. 85 13 10 ..	3 .. 2 ..	
KENT COUNTY.....	20,348	Males... Females.	9,880 1.42 10,468	288	135 22 .. 153 23 12 ..	8 .. 6 ..	
Jamestown.....	488	Males... Females.	260 0.82 228	4	3 .. 1 ..	.. ..	
Little Compton.....	1,156	Males... Females.	556 1.04 600	12	4 .. 8 ..	.. ..	
Middletown.....	1,074	Males... Females.	542 1.21 532	13	6 3 .. 7 ..	1 ..	
New Shoreham.....	1,147	Males... Females.	612 0.79 535	9	7 .. 2 ..	.. ..	
Portsmouth.....	1,893	Males... Females.	988 1.06 905	20	11 2 .. 9 ..	.. ..	
Tiverton.....	2,101	Males... Females.	1,078 0.86 1,023	18	10 .. 8 1 ..	.. ..	
TOWNS, NEWPORT Co.	7,859	Males... Females.	4,036 0.97 3,823	76	41 5 .. 35 1 2 ..	1 ..	
NEWPORT CITY.....	14,028	Males... Females.	6,570 1.59 7,458	223	111 16 .. 112 8 7 ..	4 .. 6 ..	

TABLE VII.—DEATHS, 1878.—Continued.

	3 and under 4.	4 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	20 and under 30.	30 and under 40.	40 and under 50.	50 and under 60.	60 and under 70.	70 and under 80.	80 and under 90.	90 and over.	Not stated.
1	1	1	1	3	2	2	2	1	1	2	2	2	2	1
2	2	2	2	1	1	4	3	2	2	3	7	2	2	2
3	3	5	1	3	5	1	1	3	3	3	6	2	1	1
4	1	4	4	3	1	4	4	4	2	3	1	1	2	2
5	1	1	6	2	5	9	4	5	5	6	9	6	3	2
					4	8	8	10	10	6	9	5	3	
1	1	2	2	1	1	3	1	1	4	8	8	2	2	2
1	1	2	2	1	2	4	6	3	1	1	5	1	1	1
						2	1	1	2	2	4	4	4	1
1	1	1	1	1	1	1	1	1	1	1	2	2	2	1
3	3	3	2	2	3	5	7	2	5	9	2	4	4	1
4	4	8	1	4	7	2	5	9	9	8	4	3	1	
4	1	5	3	5	10	10	4	12	20	14	8	12	1	
6	4	11	2	7	12	10	9	11	12	15	12	12	1	
							1			1	1	1	1	
									1			2	2	
			1			1	2			1	1	1	2	
	1									1				
		2				1				3	1	1	1	
									4	1	1	1		
	1							1						
		1					1			2	4	1		
	1		1				1			1	3	1		
	1		1				1		1	1	2	3		
				1					1	2	2	3		
						2						2		
1	1	1	1	1	1	2	2	6	7	8	8	7		
1	1	2	2	3	4	2	2		4	8	8	6		
3	4	9	4	3	12	3	12	6	6	13	6	6	2	1
1	1	12	3	6	5	12	7	6	10	14	11	3	1	

TABLE VII.—DEATHS, 1878.—Continued.

TOWNS AND DIVISIONS OF THE STATE.	POPULATION, 1875.			DEATHS, 1878.			Under 1 year. 1 and under 2. 2 and under 3.	
	Whole Number.	SEX.		Per cent. to Population.	Whole Number.	SEX.		
		Males...	Females...					
Burrillville.....	5,249	Males...	2,628	1.26	66	33	3 1 ..	
		Females.	2,621			33	5 1 ..	
Cranston.....	5,688	Males...	3,046	1.55	88	51	6 4 1	
		Females.	2,642			37	6 .. 1	
Cumberland.....	5,673	Males...	2,793	1.53	87	49	9 5 4	
		Females.	2,880			38	6 3 4	
East Providence..	4,336	Males...	2,257	2.07	90	37	3 3 4	
		Females.	2,079			53	7 3 2	
Foster.....	1,543	Males...	788	1.04	16	5	.. .. ..	
		Females.	755			11	1 .. ..	
Glocester.....	2,098	Males...	1,086	1.81	38	25	4 1 ..	
		Females.	1,012			13	.. .. ..	
Johnston.....	4,999	Males...	2,522	0.92	46	24	6 1 2	
		Females.	2,477			22	3 5 ..	
Lincoln.....	11,565	Males...	5,563	1.80	208	106	18 9 3	
		Females.	6,002			102	14 12 11	
North Providence..	1,303	Males...	620	1.07	14	10	3 1 ..	
		Females.	683			4	1 .. ..	
North Smithfield..	2,797	Males...	1,350	1.36	38	21	2 2 1	
		Females.	1,447			17	1 1 ..	
Pawtucket.....	18,464	Males...	8,866	1.80	332	148	30 19 5	
		Females.	9,598			184	30 14 9	
Scituate.....	4,101	Males...	2,006	1.73	71	29	.. 3 2	
		Females.	2,095			42	7 1 1	
Smithfield.....	2,857	Males...	1,358	1.05	30	14	2 1 2	
		Females.	1,499			16	2 3 1	
Woonsocket.....	13,576	Males...	6,362	2.11	287	141	43 15 3	
		Females.	7,214			146	36 13 5	
TOWNS, PROV. CO.	84,249	Males...	41,245	1.67	1,411	693	129 65 27	
		Females.	43,004			718	119 56 34	
PROVIDENCE CITY	100,675	Males...	48,701	1.97	1,989	969	220 83 50	
		Females.	51,974			1,020	153 91 56	
Charlestown.....	1,054	Males...	534	1.42	15	5	1 .. ..	
		Females.	520			10	.. 1 ..	
Exeter.....	1,355	Males...	702	1.26	17	8	.. .. ..	
		Females.	653			9	1 .. ..	
Hopkinton.....	2,760	Males...	1,344	1.70	47	20	2 1 1	
		Females.	1,416			27	4 1 1	
North Kingstown.	3,505	Males...	1,705	1.63	57	32	3 .. 2	
		Females.	1,800			25	2 .. ..	
South Kingstown.	4,240	Males...	2,111	1.11	47	23	.. 1 1	
		Females.	2,129			24	3 .. ..	
Richmond.....	1,739	Males...	845	1.72	30	12	.. 2 ..	
		Females.	894			18	2 .. ..	
Westerly.....	5,408	Males...	2,745	0.89	48	25	6 .. 1	
		Females.	2,663			23	1 3 ..	
WASHINGTON CO.	20,061	Males...	9,986	1.30	261	125	12 4 5	
		Females.	10,075			136	13 5 1	

TABLE VII.—DEATHS, 1878.—Continued.

	3 and under 4.	4 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	20 and under 30.	30 and under 40.	40 and under 50.	50 and under 60.	60 and under 70.	70 and under 80.	80 and under 90.	90 and over.	Not stated.
1	3	3	3	1	6	2	1	4	4	4	3	1	1	1
1	3	3	3	3	3	6	3	3	4	1	1	2	1	1
1	3	2	1	1	7	10	4	2	4	2	2	9	4	1
1	1	1	1	1	3	4	2	4	2	2	3	5	1	1
1	3	3	1	1	2	7	4	5	2	4	3	2	2	1
1	1	5	2	1	1	2	1	2	2	4	3	2	2	1
1	4	2	2	2	1	1	3	1	6	3	3	1	1	1
3	1	4	2	1	4	8	3	4	6	3	3	2	2	1
1	1	1	1	1	2	2	2	2	2	2	1	1	1	1
1	1	1	1	1	1	1	1	2	3	1	3	1	1	1
1	1	1	1	1	1	1	1	2	1	1	5	1	1	1
2	2	2	2	2	2	2	1	1	2	1	2	2	2	1
10	5	5	3	6	5	3	5	11	8	10	5	5	5	5
3	9	5	3	9	4	4	4	12	5	5	6	6	6	6
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	3	1	1	3	4	1	1	1	1
1	1	1	1	1	4	4	1	2	2	2	2	2	1	1
6	5	6	2	1	13	4	14	11	11	13	6	6	6	2
5	8	1	7	28	12	15	15	12	12	11	16	16	16	1
1	1	2	2	5	1	2	2	2	1	4	5	1	1	1
1	5	2	2	5	4	4	3	3	2	7	2	1	1	1
1	1	1	1	1	1	2	1	3	3	2	1	1	1	1
1	2	2	2	2	2	2	2	2	2	2	1	1	1	1
3	4	2	4	12	6	7	13	8	12	7	2	2	2	2
1	1	6	4	11	18	11	14	5	10	9	2	2	2	2
21	19	27	15	19	61	42	44	63	52	66	37	4	2	2
18	3	46	18	34	78	55	45	57	48	59	43	3	3	2
37	35	70	28	19	78	63	59	75	73	54	20	5	5	5
36	35	68	24	44	91	99	70	70	53	87	33	10	10	10
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	2	2	2	2	2	2	1
1	1	1	1	1	1	1	1	1	1	1	3	3	3	1
1	1	1	1	1	4	1	1	1	1	2	4	4	4	1
1	2	1	3	2	2	2	4	2	2	2	1	1	3	1
1	3	1	1	5	1	1	4	3	3	5	5	5	5	5
1	1	1	2	2	3	2	2	2	2	3	5	3	3	1
1	1	1	1	4	1	1	1	1	5	3	3	3	3	1
1	1	1	1	1	1	1	1	1	1	1	3	3	3	1
1	2	1	3	1	3	3	2	2	1	2	6	1	2	1
1	1	1	1	3	2	2	2	2	1	1	5	1	1	1
2	1	8	3	2	12	11	10	7	18	21	9	9	9	9
2	5	5	7	16	8	9	13	15	14	16	7	7	7	7

TABLE VII.—DEATHS, 1878.—RECAPITULATION BY COUNTIES.

COUNTIES.	POPULATION, 1875.			Per cent. to Population.	DEATHS, 1878.			Under 1 year.	1 and under 2.	2 and under 3.
	Whole Number.	SEX.			Whole Number.	SEX.				
BRISTOL Co...	11,019	Males..	5,142	1.75	193	87	8	7	8	6
		Females	5,877			106	11	8		
KENT Co....	20,348	Males..	9,888	1.42	288	135	22	8	9	6
		Females	10,468			153	23	12		
NEWPORT Co.	21,887	Males..	10,606	1.37	299	152	21	8	5	6
		Females	11,281			147	9	9		
PROV. Co....	184,924	Males..	89,946	1.83	3,400	1,662	349	148	77	
		Females	94,978			1,738	272	147		90
WASH. Co....	20,061	Males..	9,986	1.30	261	125	12	4	5	1
		Females	10,075			136	13	5		
WHOLE STATE.	258,239	Males..	125,560	1.72	4,441	2,161	412	175	104	
		Females	132,679			2,280	328	181		109

TABLE VII.—DEATHS, 1878.—RECAPITULATION BY COUNTIES.

	3 and under 4.	4 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	20 and under 30.	30 and under 40.	40 and under 50.	50 and under 60.	60 and under 70.	70 and under 80.	80 and under 90.	90 and over.	Not stated.
4	1	6	2	5	9	4	5	5	6	9	6	6	....	2
5	1	7	6	4	8	8	9	10	6	9	5	3	....	....
4	1	5	3	5	10	10	4	12	20	14	8	....	....	....
6	4	11	2	7	12	10	9	11	12	15	12	1	....	....
4	5	10	4	4	12	5	12	12	20	14	13	2	1	1
2	....	14	5	6	8	16	9	6	14	22	17	3	1	1
58	54	97	43	38	139	105	103	138	125	120	57	9	2	2
54	38	114	42	78	169	154	115	127	101	146	76	13	2	2
2	1	8	3	2	12	11	10	7	18	21	9	....	....	....
....	2	5	5	7	16	8	9	13	15	14	16	7	....	....
72	62	126	55	54	182	135	134	174	189	178	93	11	5	5
67	45	151	60	102	213	196	151	167	148	206	126	27	3	3

TABLE VIII.—CAUSES OF DEATH, 1878.

*Arranged Alphabetically; showing the Number of each Sex, who died from each cause, in each Month and in the whole year 1878; also the Number of American and of Foreign Parentage, from each cause, for the year.*



TABLE VIII.—CAUSES OF DEATH, 1878.—Continued.

CAUSES OF DEATH.	PARENTAGE.										SEX.									
	Am.	For.	Total	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Total
Kidneys, Disease of . . . . .	14	12	26	1	1	3	2	1	1	2	3	2	2	5	2	2	1	23	3	26
" Bright's Disease of . . . . .	35	19	54	4	3	2	1	4	5	3	3	2	1	5	4	4	3	27	27	54
Laryngitis . . . . .	2	2	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2	2
Lightning Stroke . . . . .	1	1	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	2
Liver, Disease of . . . . .	28	12	40	..	3	..	..	1	2	2	1	1	3	1	3	2	2	1	3	21
" Inflammation of . . . . .	1	4	5	..	1	..	..	3	1	..	..	1	..	..	2	1	..	2	2	3
Lungs, Disease of . . . . .	8	7	15	1	1	..	..	1	1	4	1	..	1	2	..	2	1	1	6	9
Malformations, (all kinds) . . . . .	17	15	32	3	1	4	4	1	..	1	1	1	1	1	1	1	1	1	22	10
Marasmus . . . . .	21	34	55	1	2	2	2	2	4	2	3	1	1	5	4	4	4	1	2	28
Measles . . . . .	25	56	81	2	10	16	15	9	9	3	2	4	1	1	3	1	1	1	1	39
Meningitis Cerebro-Spinal . . . . .	6	5	11	..	..	1	1	1	1	..	..	1	..	..	1	1	1	1	1	11
" Spinal . . . . .	3	3	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3
Murder and Homicide . . . . .	3	3	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3
Neuralgia . . . . .	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Neglect . . . . .	1	2	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
Old Age . . . . .	172	50	222	5	9	13	8	14	10	16	9	10	5	6	4	7	7	10	7	14
Paralysis . . . . .	66	20	86	2	7	3	2	7	6	2	4	3	2	4	5	2	..	8	1	2
Peritonitis . . . . .	12	10	22	1	1	1	..	3	1	1	2	1	1	1	1	1	..	1	..	3
Pleurisy . . . . .	1	1	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
Pneumonia . . . . .	148	121	269	18	23	18	20	22	16	12	16	5	12	3	5	2	7	3	4	6
" Congestion of Lungs . . . . .	28	20	48	3	4	3	5	2	1	3	5	2	1	..	3	1	1	2	1	2
Prostate, Disease of . . . . .	4	..	4	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	4
Purpura Hemorrhagica . . . . .	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Pyæmia . . . . .	2	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
Quinsy . . . . .	3	..	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3
Rheumatism . . . . .	9	7	16	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	16
Scarlatina . . . . .	35	51	86	5	1	1	2	2	1	1	4	..	6	10	4	1	5	3	1	45

TABLE VIII.—CAUSES OF DEATH, 1878.

*Arranged Alphabetically; showing the Number of each Sex, who died from each cause, in each Month and in the whole year 1878; also the Number of American and of Foreign Parenage from each cause, for the year.*

CAUSES OF DEATH.	PARENAGE.												SEX.																						
	Jan.			Feb.			Mar.			Apr.			May.			June.			July.			Aug.			Sept.			Oct.			Nov.			Dec.	
Am.	For.	Total	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.				
Accidents (various).....	14	27	41	6	2	4	2	1	1	1	2	5	..	3	2	2	1	2	..	1	3	30	11	41	..	..	..	..	..						
" Burns and Scalds.	6	5	11	..	1	2	..	2	1	..	2	..	..	..	1	1	..	1	..	1	..	1	..	4	7	11	..	..	..	..	..				
" Drowning.....	16	28	44	5	2	1	..	2	..	4	..	8	1	5	..	2	1	5	1	1	2	1	1	35	9	44	..	..	..	..	..				
" Falls.....	6	7	13	..	..	..	..	..	..	1	..	1	..	3	..	..	1	..	1	..	1	..	2	3	8	5	13	..	..	..	..				
" Poisoning.....	5	1	6	2	..	..	..	..	..	1	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..					
" Railroad.....	3	4	7	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..					
Abscesses.....	6	7	13	1	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..					
Anæmia.....	1	1	2	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..					
Aneurism.....	2	4	6	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..					
Apoplexy.....	79	23	102	7	3	3	6	8	4	4	3	8	5	4	3	4	4	4	2	3	3	3	5	5	2	4	4	4	59	43	102				
Asthma.....	4	4	8	..	1	..	..	..	..	2	1	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..					
Bladder, Disease of.....	2	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..					
" Gravel and Calculus.	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..					
Brain, Disease of.....	25	13	38	2	..	2	3	1	2	3	5	2	1	..	1	..	2	3	2	..	3	4	..	2	1	2	..	1	2	4					
" Congestion of.....	12	8	20	..	1	1	1	..	1	..	..	2	3	2	1	3	..	..	2	1	..	2	1	2	..	1	2	4	..	..					
" Inflammation of.....	36	45	81	3	4	5	5	1	4	5	3	7	1	4	6	5	6	1	..	2	2	4	2	5	4	42	39	81	..	..					
Bronchitis.....	37	43	80	3	7	4	8	6	4	3	5	1	3	5	2	4	3	2	3	5	3	1	4	3	4	6	4	30	50	80					
Cancer (various).....	52	23	75	3	4	1	3	4	5	..	6	..	2	4	3	..	2	3	5	5	3	3	4	3	6	2	4	28	47	75					
" of Breast.....	6	5	11	..	1	..	2	..	..	1	..	..	1	..	..	1	..	..	2	..	2	..	2	1	..	2	1	11	5	15					
" of Stomach.....	10	5	15	..	1	..	2	..	..	1	..	..	1	..	..	1	..	..	2	1	..	2	1	..	2	1	10	5	15						



TABLE VIII.—CAUSES OF DEATH, 1878.—Continued.

CAUSES OF DEATH.	PARENTAGE.												SEX.													
	Am.	For.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Total.									
Fever Bilious.....	2	...	2	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	1	2
“ Remittent.....	1	...	1	...	3	3	1	...	3	1	3	...	4	4	5	4	3	10	7	9	16	7	13	9	10	10
“ Typhoid.....	65	69	134	3	3	1	...	1	...	1	...	1	...	1	...	1	...	1	...	1	...	1	...	61	73	134
“ Gastric.....	3	...	3	...	...	...	1	...	1	...	1	...	1	...	1	...	1	...	1	...	1	...	1	2	3	
Gallstones.....	2	...	2	...	...	...	1	...	1	...	1	...	1	...	1	...	1	...	1	...	1	...	1	1	2	
Gangrene.....	6	3	9	...	...	1	...	1	...	1	...	1	...	2	2	1	...	1	1	...	1	...	1	3	6	
Glossitis.....	1	...	1	...	1	...	1	...	1	...	1	...	1	...	2	1	...	1	1	...	1	...	1	1	1	
Heart, Diseases of.....	107	54	161	10	1	7	5	6	9	8	5	6	6	10	7	4	5	6	3	9	4	7	9	12	12	
“ Hypertrophy of.....	2	3	5	...	1	...	1	...	1	...	1	...	1	...	2	...	1	...	2	...	1	...	1	...	1	
Heat.....	2	2	4	...	1	...	1	...	1	...	1	...	1	...	2	...	2	...	1	...	1	...	1	4	4	
Hemorrhage.....	5	10	15	1	...	1	1	1	...	1	1	1	...	2	1	1	3	...	1	...	1	...	1	1	15	
“ from Lungs.....	4	5	9	...	2	...	1	...	1	...	1	...	1	...	1	2	...	1	...	1	...	1	...	1		
“ from Stomach.....	1	1	2	...	1	...	1	...	1	...	1	...	1	...	1	...	1	...	1	...	1	...	1	2	2	
Hernia.....	4	3	7	1	...	1	...	1	...	1	...	1	...	1	2	...	1	...	1	...	1	...	1	2	5	
Hip-Joint, Disease of.....	3	...	3	...	2	...	2	...	2	...	2	...	2	...	1	...	1	...	1	...	1	...	1	2	3	
Hooping Cough.....	30	24	54	2	2	3	2	1	2	1	2	1	2	1	6	2	3	9	4	3	1	3	3	26	28	
Hydrocephalus.....	34	36	70	2	4	1	2	4	1	5	3	6	6	4	2	7	3	4	2	3	3	1	1	2	1	
Hydrophobia.....	1	2	3	...	1	...	1	...	1	...	1	...	1	...	1	...	1	...	1	...	1	...	1	1	3	
Insanity.....	16	6	22	...	1	...	1	...	1	...	1	...	1	...	3	1	1	...	2	4	...	3	5	17	22	
Intussusception.....	1	2	3	1	...	1	1	1	...	1	1	1	...	1	...	1	1	1	...	1	1	1	2	1		
Intemperance.....	2	9	11	...	1	...	1	...	1	...	1	...	1	...	1	...	1	1	1	...	1	1	1	4		
“ Delirium Tremens.....	2	1	3	2	...	1	1	1	...	1	1	1	...	1	...	1	1	1	...	1	1	1	3	3		
“ Opium Eating.....	1	1	2	...	1	1	1	1	1	...	1	1	1	...	1	1	1	1	1	...	1	1	1	2		
Jaundice.....	1	1	2	...	1	1	1	1	1	...	1	1	1	...	1	1	1	1	1	...	1	1	1	2		

CAUSES OF DEATH.	PARENTAGE.		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	SEX.			
	Am.	For.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Total.	
Kidneys, Disease of.	14	12	26	..	1	1	..	3	..	2	1	1	..	2	..	2	1	23
" Bright's Disease of.	35	19	54	4	2	2	1	4	5	3	3	2	1	5	..	5	..	26
Laryngitis.	2	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	27
Lightning Stroke.	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
Liver, Disease of.	28	12	40	..	3	..	..	1	2	2	1	1	3	2	6	3	1	19
" Inflammation of.	1	4	5	..	1	..	..	..	..	..	..	..	..	..	..	..	..	40
Lungs, Disease of.	8	7	15	1	1	..	..	3	1	..	..	..	..	..	..	..	..	5
Malformations, (all kinds).	17	15	32	3	1	4	4	1	..	1	1	4	1	1	2	..	..	15
Marasmus.	21	34	55	1	2	2	2	2	4	2	3	1	1	5	4	4	1	32
Measles.	25	56	81	2	10	16	15	9	9	3	2	4	1	1	2	..	..	32
Meningitis Cerebro-Spinal.	6	5	11	..	..	1	1	1	1	..	..	2	..	..	1	..	..	5
" Spinal.	3	3	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3
Murder and Homicide.	3	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3
Neuralgia.	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Neglect.	1	2	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
Old Age.	172	50	222	5	9	7	13	8	14	10	16	9	10	5	6	4	7	138
Paralysis.	66	20	86	2	7	3	2	7	6	2	4	3	2	4	5	2	3	41
Peritonitis.	12	10	22	1	1	1	1	..	3	1	1	2	2	1	1	..	..	22
Pleurisy.	1	1	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	86
Pneumonia.	148	121	269	18	23	18	20	22	16	12	16	5	12	3	5	2	..	144
" Congestion of Lungs	28	20	48	3	4	3	5	2	1	3	5	2	1	..	3	1	1	69
Prostate, Disease of.	4	..	4	..	..	1	..	..	1	..	..	..	..	..	..	..	..	48
Purpura Hemorrhagica.	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4
Pyæmia.	2	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
Quinsy.	3	..	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3
Rheumatism.	9	7	16	..	..	2	..	2	..	1	..	..	1	1	3	..	..	16
Scarlatina.	35	51	86	5	1	1	2	2	1	2	1	4	..	6	10	4	41	86

TABLE VIII.—CAUSES OF DEATH, 1878.—Continued.

TABLE IX.—CAUSES OF DEATH, 1878.  
*Arranged Alphabetically; showing the Number of each Sex, who died from each cause, in each Period of Life.*

CAUSES OF DEATH.	Under 1 and under 2.		2 to 5.		5 to 10.		10 to 15.		15 to 30.		30 to 40.		40 to 50.		50 to 60.		60 to 70.		70 to 80.		80 and over.		Age not stated.		SEX.				
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Total.	M.	F.				
Accidents (various).....	3	5	...	2	...	1	1	..	2	...	3	1	5	..	5	1	4	..	3	2	2	..	1	..	30	11	41		
" Burns and Scalds.....	...	...	3	1	..	1	..	1	..	1	..	1	..	1	..	1	..	1	..	2	..	1	..	4	7	11			
" Drowning.....	...	...	1	8	1	6	..	4	..	2	..	2	4	2	..	2	..	2	..	1	..	1	..	35	9	44			
" Falls.....	...	...	1	1	..	1	..	1	..	1	..	1	..	1	..	2	1	..	2	1	..	1	..	8	5	13			
" Poisoning.....	...	...	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	4	..	..	..	..	5	1	6			
" Railroad.....	...	...	1	..	1	..	..	..	..	..	1	..	1	..	1	..	1	..	1	..	1	..	1	..	7	..	7		
Abscesses.....	1	..	1	1	..	..	1	..	1	..	1	..	2	1	1	..	1	..	1	..	1	..	1	..	8	5	13		
Anæmia.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2		
Aneurism.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	2		
Apoplexy.....	..	..	1	..	..	..	..	..	..	..	1	..	1	..	7	3	12	9	14	7	16	16	8	5	..	1	59	43	102
Asthma.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	1	..	1	..	3	5	8		
Bladder, Disease of.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..		
" Gravel and Calculus.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1		
Bowels, Disease of.....	1	..	..	1	1	..	..	1	2	..	..	1	..	3	1	2	1	3	2	6	4	4	1	4	..	..	2	4	
Brain, Disease of.....	..	..	1	..	1	..	..	1	..	..	3	..	2	..	1	..	1	..	1	..	1	..	1	..	26	12	38		
" Congestion of.....	1	3	..	2	..	1	..	1	..	3	..	1	..	2	1	1	2	1	1	2	..	..	1	..	7	13	20		
" Inflammation of.....	10	9	5	8	9	4	3	1	2	2	1	1	1	3	1	2	3	4	1	1	..	1	..	42	39	81			
Bronchitis.....	17	11	2	10	3	..	2	..	1	..	1	..	1	1	1	1	2	..	2	1	7	3	5	3	4	..	30	50	80
Cancer (various).....	1	..	1	..	1	..	..	..	..	..	1	..	1	2	5	3	7	6	16	9	7	5	6	2	3	..	28	47	75
" of Breast.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..	6	..	1	..	1	..	11	11	21		
" of Stomach.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	1	2	1	6	1	1	..	10	5	15	

TABLE IX.—CAUSES OF DEATH, 1878.—Continued.

CAUSES OF DEATH.	Under 1. 1 and under $\frac{1}{2}$ .												2 to 5.												5 to 10.												10 to 15.												15 to 20.												20 to 30.												30 to 40.												40 to 50.												50 to 60.												60 to 70.												70 to 80.												80 and over.												Age not stated.												SEX.											
	M.	E.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Total.	M.	F.	Total.																																																																																																																										
Cancer of Uterus.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	18	18	1	1																																																																																																																								
Cancrum Oris.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1																																																																																																																								
Chicken Pox.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1																																																																																																																								
Child-birth.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	15																																																																																																																								
“ Puerporeal Convulsions	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	11	11																																																																																																																								
“ Puerperal Fever	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	17	17																																																																																																																									
Cholera Infantum.....	73	49	17	17	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	96	72	168																																																																																																																							
“ Morbus.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	2	6																																																																																																																							
Colic.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	9	3	12																																																																																																																								
Consumption.....	3	6	6	2	2	2	3	5	3	11	21	48	98	116	54	85	33	45	29	27	27	18	14	15	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	296	380	676																																																																																																																										
Convulsions.....	31	25	14	15	14	14	6	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	63	49	112																																																																																																																								
Croup.....	5	6	12	9	17	23	9	10	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	45	48	93																																																																																																																									
Debility.....	28	28	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	33	36	69																																																																																																																								
“ Birth Premature.....	9	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	9	3	12																																																																																																																									
Diabetes.....	13	9	3	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4																																																																																																																								
“ Chronic.....	12	6	40	29	104	76	49	75	14	19	1	2	2	1	2	2	1	2	2	1	2	2	1	2	2	1	2	2	1	2	2	1	2	2	1	2	2	1	2	2	1	2	2	1	6	7	13																																																																																																																									
Diphtheria.....	12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	224	211	435																																																																																																																								
Dropsey.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	21	17	38																																																																																																																								
“ of Chest.....	2	2	3	4	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	12	23	35																																																																																																																								
Dysentery.....	2	2	3	4	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	5																																																																																																																								
“ Typhoid.....	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	5																																																																																																																								



TABLE IX.—CAUSES OF DEATH, 1878.—Continued.



TABLE IX.—CAUSES OF DEATH, 1878.—Continued.

TABLE X.—CLASSIFICATION AND PERCENTAGE, 1878.

*Showing what part of the Mortality in the whole State, and in each Division, is ascribed to each cause, and class of causes.*

NUMBER OF DEATHS IN EACH DIVISION OF THE STATE.	CAUSES OF DEATH.												PERCENTAGE OF DEATHS IN EACH DIVISION.
	Bristol County.	Newport County.	Towns.	Newport City.	Washington County.	Whole State.	Providence City.	Providence Towns.	Providence County.	Newport County.	Towns.	Newport City.	
193 288	6 223	1,411	1,989	261	4,441	All Causes	.....	.....	100.00	100.00	100.00	100.00	100.00
187 349	7 4191	1,308	1,973	249	4,231	Specified Causes	.....	.....	100.00	100.00	100.00	100.00	100.00
• 66 83	12 39	354	621	47	1,222	I. ZYOMOTIC DISEASES . . . . .	28.88	18.88	31.48	27.07	20.42	16.22	33.33
13 27	6 16	147	196	28	433	SPORADIC DISEASES.	11.25	9.93	11.24	8.38	8.10	10.84	6.95
24 37	17 29	165	258	24	554	II. GENERAL OR NOT LOCALIZED	10.23	13.09	9.63	12.61	15.18	22.98	14.86
37 56	13 48	375	511	78	1,118	III. NERVOUS SYSTEM . . . . .	26.42	31.33	25.90	28.67	25.13	17.57	12.84
5 11	6 9	39	87	15	172	IV. RESPIRATORY SYSTEM . . . . .	4.07	6.02	4.41	2.98	4.71	8.10	19.79
13 10	4 13	51	86	10	187	V. CIRCULATORY SYSTEM . . . . .	4.42	4.02	4.36	3.90	6.81	5.41	2.67
4 3	1 3	27	51	3	92	VI. DIGESTIVE SYSTEM . . . . .	2.17	1.21	2.58	2.06	1.57	1.35	4.02
2 2	1 1	6	13	2	27	VII. URINARY SYSTEM . . . . .	.64	.80	.66	.46	.52	1.35	2.14
1 2	1 1	1	12	1	8	VIII. GENERATIVE SYSTEM . . . . .	.62	.40	.61	.61	.52	1.35	1.07
• 15 8	9 23	2	3	2	7	IX. LOCOMOTIVE SYSTEM . . . . .	.17	.80	.15	1.05	1.05	.80	.54
7 10	4 7	76	61	30	222	X. INTEGUMENTIVE SYSTEM . . . . .	5.25	12.04	3.09	5.81	12.04	12.16	3.21
• 15 8	9 23	2	3	2	7	XI. OLD AGE . . . . .	4.04	3.62	3.75	4.59	3.67	5.41	3.74
7 10	4 7	60	74	9	171	XII. EXTERNAL CAUSES . . . . .	.....	.....	.....	.....	.....	4.02	3.02

TABLE X.—CLASSIFICATION AND PERCENTAGE, 1878.—Continued.

1	1	1	1	1	7	11 Meningitis, Cerebro-Spinal.	.26	.36	.08	.52	.40	.54
					1	2 Pyæmia.	.05	.05				
3	5	3	14	14	57	86 Scarlatina.	2.03	1.61	2.89	1.07	4.05	2.01
					4	3 Septicæmia.	.07		.10	.08		1.60
					2	4 Syphilis.	.09		.05	.15		
					1						.40	
66	83	12	39	354	621	47	1,222	Totals.	28.88	18.88	31.48	27.07
2	2	2	3	6	13	II. GENERAL OR NOT LOCALIZED.	.31	.30	.23			.80
			1	1	13	Abscesses.	.05		.08	.52		1.07
5	11	2	6	37	48	10	2	2.43	2.83	3.14	2.70	4.42
							Amænia.					2.67
							119 Cancer.					
							1 Canerum Oris.					
							81 Debility.					
							38 Dropsy.					
							9 Gangrene.					
							17 Hemorrhage.					
							22 Malformation.					
							32 Marasmus.					
							1 Purpura Hemorrhagica.					
							13 Serofula.					
							4 Thrush.					
							27 Tuberculosis.					
							21 Tumors.					
13	27	6	16	146	196	28	433	Totals.	10.23	11.25	9.93	11.24
2	6	5	5	31	42	11	102 Apoplexy.	2.41	4.42	2.13	2.37	2.41
					7	1	20 Brain, Congestion of.	.47	.40	.36	.68	1.07
					6	17	38 Diseases of.	.90		.81	1.30	.80
					1	1					.52	1.35
					1	17						1.21

TABLE X.—CLASSIFICATION AND PERCENTAGE, 1878.—Continued.

NUMBER OF DEATHS IN EACH DIVISION OF THE STATE.		PERCENTAGE OF DEATHS IN EACH DIVISION.																		
		CAUSES OF DEATH.					PERCENTAGE IN THE WHOLE STATE.													
Bristol County.	Kent County.	Newport County.	Newport Towns.	Providence County.	Providence City.	Washington County.	Whole State.	Wholesale State.	Percentage in the Whole State.	Washington County.	Providence County.	Newport County.	Providence Towns.	Providence City.	Newport Towns.	Newport City.	Washington County.	Kent County.	Bristol County.	
1	7	1	19	45	1	81	Brain, Inflammation of.....	.....	1.91	.40	2.28	1.35	2.81	.54	.....	.....	.....	.....	.....	.....
5	6	3	33	58	4	112	Convulsions.....	.....	2.65	1.61	2.94	2.52	4.05	2.41	2.67	.....	.....	.....	.....	.....
.....	.....	.....	1	2	..	3	Delirium Tremens.....	.....	.07	....	.10	.08	....	....	....	....	....	....	....	....
6	2	3	20	6	1	8	Epilepsy.....	.....	.19	.40	.30	.08	....	....	....	....	....	....	....	....
.....	.....	1	3	39	..	70	Hydrocephalus.....	.....	1.65	....	1.98	1.53	1.57	....	....	....	....	....	....	....
.....	1	1	17	1	..	22	Insanity.....	.....	.52	.40	.86	.23	.52	....	....	....	....	....	....	....
.....	1	1	1	1	..	3	Meningitis, Spinal.....	.....	.07	.40	....	....	.52	....	....	....	....	....	....	....
10	10	5	6	27	4	1	Neuralgia.....	.....	.02	....	....	....	.08	....	....	....	....	....	....	....
.....	2	1	3	2	..	86	Paralysis.....	.....	2.04	1.61	1.22	2.06	3.14	6.76	4.02	5.35	....	....	....	....
24	37	17	29	165	258	24	Tetanus and Tris. Nascentium.....	.....	.19	....	.10	.23	.52	2.70	....	....	....	....	....	....
.....	1	2	2	6	22	3	Totals.....	.....	13.09	9.63	13.08	12.61	15.18	22.98	14.86	12.84	....	....	....	
23	41	10	21	229	305	47	IV. RESPIRATORY SYSTEM.										.....	.....	.....	
3	3	1	1	1	1	1	8 Asthma.....	.....	.19	.40	.15	.15	....	....	....	....	....	....	....	
.....	.....	1	2	2	2	1	80 Bronchitis.....	.....	1.89	.40	2.43	1.68	3.14	....	....	....	....	....	....	....
.....	14	14	14	14	14	1	676 Consumption.....	.....	15.98	18.88	15.46	17.51	10.99	13.51	16.47	12.30	.....	....	....	
.....	.....	.....	.....	.....	.....	1	6 Dropsy of Chest.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.60	....



[1878.]

TABLE X.—CLASSIFICATION AND PERCENTAGE, 1878.—Continued.

NUMBER OF DEATHS IN EACH DIVISION OF THE STATE.										PERCENTAGE OF DEATHS IN EACH DIVISION.									
CAUSES OF DEATH.					WASHINGTTON COUNTY.					NEWPORT COUNTY.					PROVIDENCE COUNTY.				
WHOLE STATE.					TEETHING.					WORMS.					TEETHING.				
PERCENTAGE IN THE WHOLE STATE.					.38					.30					.40				
WASHINGTON COUNTY.					.05					.46					.52				
13	10	4	13	51	86	10	187	Totals	.....	4.42	4.02	4.36	3.90	6.81	5.41	4.02	6.95	Bristol County.	
13	10	4	13	51	86	10	187	Totals	.....	4.42	4.02	4.36	3.90	6.81	5.41	4.02	6.95	Nett County.	
4	3	1	2	21	47	2	92	Totals	.....	2.17	1.21	2.58	2.06	1.57	1.35	1.21	2.14	VII. URINARY SYSTEM.	
4	3	1	2	21	47	2	92	Totals	.....	2.17	1.21	2.58	2.06	1.57	1.35	1.21	2.14	Bladder, Diseases of.	
4	3	1	2	21	47	2	92	Totals	.....	2.17	1.21	2.58	2.06	1.57	1.35	1.21	2.14	Diabetes.	
4	3	1	2	21	47	2	92	Totals	.....	2.17	1.21	2.58	2.06	1.57	1.35	1.21	2.14	Kidneys, Diseases of.	
4	3	1	2	21	47	2	92	Totals	.....	2.17	1.21	2.58	2.06	1.57	1.35	1.21	2.14	Prostate, Diseases of.	
4	3	1	2	21	47	2	92	Totals	.....	2.17	1.21	2.58	2.06	1.57	1.35	1.21	2.14	Uremia.	
4	3	1	3	37	51	3	92	Totals	.....	2.17	1.21	2.58	2.06	1.57	1.35	1.21	2.14	VIII. GENERATIVE SYSTEM.	
4	3	1	3	37	51	3	92	Totals	.....	2.17	1.21	2.58	2.06	1.57	1.35	1.21	2.14	Child-birth.	
2	1	1	1	1	3	8	2	Totals	.....	2.17	1.21	2.58	2.06	1.57	1.35	1.21	2.14	" Puerperal Convulsions.	
2	1	1	1	1	3	8	2	Totals	.....	2.17	1.21	2.58	2.06	1.57	1.35	1.21	2.14	"	



TABLE X.—CLASSIFICATION AND PERCENTAGE, 1878.—Continued.

TABLE XI.—OCCUPATIONS AND AGES AT DEATH, 1878.

*Showing the Average Age, at Death, in the several occupations; Providence City being separated from the rest of the State; and ages under twenty being excluded.*

OCCUPATIONS.	WHOLE STATE.			PROVIDENCE CITY.			REST OF STATE.		
	Number who Died.	Aggregate Age.	Average Age.	Number who Died.	Aggregate Age.	Average Age.	Number who Died.	Aggregate Age.	Average Age.
<b>I. AGRICULTURE.</b>									
Farmers.....	152	9,932	65.34	6	444	74.00	146	9,488	64.98
Gardeners.....	3	192	64.00	1	55	55.00	2	137	68.50
<b>II. PROFESSIONAL AND PERSONAL SERVICES.</b>									
Artists.....	2	93	46.50	.....	.....	.....	2	93	46.50
Author.....	1	48	48.00	.....	.....	.....	1	48	48.00
Barbers.....	4	151	37.75	2	69	34.50	2	82	41.00
Canvasser.....	1	42	42.00	.....	.....	.....	1	42	42.00
Civil Engineers.....	3	141	47.00	.....	.....	.....	3	141	47.00
Clergymen.....	2	138	69.00	2	138	69.00	.....	.....	.....
Clerks and Salesmen	25	792	31.68	18	577	32.06	7	215	30.71
Coachmen.....	2	85	42.50	2	85	42.50	.....	.....	.....
Collector.....	1	47	47.00	1	47	47.00	.....	.....	.....
Constables.....	2	159	79.50	2	159	79.50	.....	.....	.....
Cook.....	1	25	25.00	1	25	25.00	.....	.....	.....
Hostlers.....	2	93	46.50	.....	.....	.....	2	93	46.50
Hotel-keepers.....	3	187	62.33	.....	.....	.....	3	187	62.33
Janitors.....	2	89	44.50	2	89	44.50	.....	.....	.....
Laborers.....	202	10,405	51.51	85	4,387	51.61	117	6,018	51.43
Laundryman (Chinese).....	1	20	20.00	.....	.....	.....	1	20	20.00
Lawyers.....	4	216	54.00	3	167	55.67	1	49	49.00
Musicians.....	2	109	54.50	2	109	54.50	.....	.....	.....
Music-teachers.....	2	123	61.50	1	73	73.00	1	50	50.00
Photographer.....	1	59	59.00	1	59	59.00	.....	.....	.....
Physicians.....	7	405	57.86	2	120	60.00	5	285	57.00
Policemen.....	2	73	36.50	1	31	31.00	1	42	42.00
Reporters.....	2	88	44.00	2	88	44.00	.....	.....	.....
Saloon-keepers.....	2	72	36.00	.....	.....	.....	2	72	36.00
Stable-keepers.....	4	180	45.00	2	73	36.50	2	107	53.50
Student.....	1	20	20.00	1	20	20.00	.....	.....	.....
Teachers.....	2	100	50.00	1	57	57.00	1	43	43.00
Undertaker.....	1	72	72.00	.....	.....	.....	1	72	72.00
Waiters.....	2	93	46.50	2	93	46.50	.....	.....	.....
Watchman.....	1	50	50.00	1	50	50.00	.....	.....	.....

TABLE XI.—OCCUPATIONS, 1878.—Continued.

OCCUPATIONS.	WHOLE STATE.			PROVIDENCE CITY.			REST OF STATE.		
	Number who Died.	Aggregate Age.	Average Age.	Number who Died.	Aggregate Age.	Average Age.	Number who Died.	Aggregate Age.	Average Age.
<b>III. TRADE AND TRANSPORTATION.</b>									
Agents.....	3	143	47.67	2	90	45.00	1	53	53.00
Apothecaries.....	4	209	52.25	2	85	42.50	2	124	62.00
Bankers.....	2	116	58.00	....	....	....	2	116	58.00
Book-keepers.....	13	620	47.69	10	450	45.00	3	170	56.67
Boatmen.....	2	129	64.50	....	....	....	2	129	64.50
Brokers.....	4	237	59.25	4	237	59.25	....	....	....
Butchers.....	5	259	51.80	2	94	47.00	3	165	55.00
Cashiers (Bank, &c.)	3	159	53.00	2	88	44.00	1	71	71.00
Expressmen.....	2	108	54.00	2	108	54.00	....	....	....
Fishermen and Oystermen.....	3	180	60.00	....	....	....	3	180	60.00
Grocers.....	8	370	46.25	6	231	38.50	2	139	69.50
Hackman.....	1	62	62.00	1	62	62.00	....	....	....
Insurance Agent.....	1	25	25.00	....	....	....	1	25	25.00
Liquor Dealers.....	6	252	42.00	6	252	42.00	....	....	....
Mariners.....	26	1,645	63.27	12	696	58.00	14	949	67.79
Marketman.....	1	68	68.00	1	68	68.00	....	....	....
MERCHANTS.....	29	1,864	64.28	15	1,021	68.07	14	843	60.21
Peddlers.....	6	226	37.66	3	119	39.67	3	107	35.67
Pilot.....	1	64	64.00	....	....	....	1	64	64.00
Porter.....	1	38	38.00	1	38	38.00	....	....	....
R. R. Station Agent.	1	32	32.00	....	....	....	1	32	32.00
Ship Chandlers.....	2	134	67.00	2	134	67.00	....	....	....
Teamsters.....	13	664	51.08	6	322	53.66	7	342	48.86
Telegrapher.....	1	22	22.00	1	22	22.00	....	....	....
Traders and Dealers.	7	390	55.71	3	164	54.66	4	226	56.50
<b>IV. MANUFACTURES, MECHANICAL AND MINING INDUSTRIES.</b>									
Bakers.....	7	450	64.28	2	118	59.00	5	332	66.40
Belt-maker.....	1	64	64.00	1	64	64.00	....	....	....
Blacksmiths.....	15	827	55.13	3	131	43.66	12	696	58.00
Bleachers.....	2	115	57.50	2	115	57.50	....	....	....
Block-maker.....	1	74	74.00	1	74	74.00	....	....	....
Boat-builder.....	1	70	70.00	....	....	....	1	70	70.00
Book-binder.....	1	22	22.00	....	....	....	1	22	22.00
Boot and Shoe-makers	13	728	56.00	8	399	49.88	5	329	65.80
Brush-maker.....	1	50	50.00	....	....	....	1	50	50.00
Cabinet-maker.....	1	77	77.00	1	77	77.00	....	....	....

TABLE XI.—OCCUPATIONS, 1878.—Continued.

OCCUPATIONS.	WHOLE STATE.			PROVIDENCE CITY.			REST OF STATE.		
	Number who Died.	Aggregate Age.	Average Age.	Number who Died.	Aggregate Age.	Average Age.	Number who Died.	Aggregate Age.	Average Age.
Calico-printers . . . . .	3	176	58.67	3	176	58.67	...	...	...
Carpenters . . . . .	44	2,442	55.50	24	1,254	52.25	20	1,188	59.40
Cigar-makers . . . . .	3	147	49.00	1	47	47.00	2	100	50.00
Confectioner . . . . .	1	32	32.00	1	32	32.00	...	...	...
Coopers . . . . .	2	166	83.00	1	81	81.00	1	85	85.00
Designer . . . . .	1	59	59.00	1	59	59.00	...	...	...
Die Sinkers . . . . .	2	105	52.50	1	60	60.00	1	45	45.00
Dyer . . . . .	1	47	47.00	1	47	47.00	...	...	...
Engineers . . . . .	10	513	51.30	6	291	48.50	4	222	55.50
Farrier . . . . .	1	67	67.00	...	...	...	1	67	67.00
File-makers . . . . .	2	86	43.00	2	86	43.00	...	...	...
Gas Fitters . . . . .	2	118	59.00	2	118	59.00	...	...	...
Harness-makers . . . . .	4	184	46.00	2	113	56.50	2	71	35.50
Hatters . . . . .	2	88	44.00	1	27	27.00	1	61	61.00
House Mover . . . . .	1	73	73.00	...	...	...	1	73	73.00
Jewelers . . . . .	24	996	41.50	18	781	43.39	6	215	35.83
Machinists . . . . .	30	1,417	47.23	16	722	45.13	14	695	49.64
Manufacturers . . . . .	12	766	63.83	7	443	63.29	5	323	64.60
Masons . . . . .	22	1,381	62.77	9	518	57.56	13	863	66.38
Mechanics . . . . .	16	824	51.50	6	315	52.50	10	509	50.90
Millwright . . . . .	1	86	86.00	...	...	...	1	86	86.00
Miner . . . . .	1	34	34.00	1	34	34.00	...	...	...
Moulders . . . . .	5	240	48.00	4	172	43.00	1	68	68.00
Operatives . . . . .	60	2,406	40.10	12	414	34.50	48	1,992	41.50
Overseers and Super- intendents . . . . .	6	297	49.50	1	26	26.00	5	271	54.20
Oyster Opener . . . . .	1	38	38.00	1	38	38.00	...	...	...
Painters . . . . .	18	946	52.44	5	300	60.00	13	646	49.69
Pattern-maker . . . . .	1	26	26.00	...	...	...	1	26	26.00
Paper Hanger . . . . .	1	52	52.00	...	...	...	1	52	52.00
Platers . . . . .	2	88	44.00	2	88	44.00	...	...	...
Plumber . . . . .	1	23	23.00	1	23	23.00	...	...	...
Pork Packer . . . . .	1	55	55.00	1	55	55.00	...	...	...
Printers . . . . .	2	83	41.50	2	83	41.50	...	...	...
Rubber-workers . . . . .	2	68	34.00	...	...	...	2	68	34.00
Sail-maker . . . . .	1	72	72.00	1	72	72.00	...	...	...
Ship Carpenters . . . . .	4	257	64.25	2	137	68.50	2	120	60.00
Silversmiths . . . . .	2	80	40.00	2	80	40.00	...	...	...
Stair Builder . . . . .	1	24	24.00	1	24	24.00	...	...	...
Stone Cutters . . . . .	7	352	50.26	1	51	51.00	6	301	50.17
Stucco-worker . . . . .	1	29	29.00	1	29	29.00	...	...	...
Tailors . . . . .	13	671	51.61	7	404	57.71	6	267	44.50
Tinsmiths . . . . .	4	175	43.75	2	88	44.00	2	87	43.50

TABLE XI.—OCCUPATIONS, 1878.—Continued.

OCCUPATIONS.	WHOLE STATE.			PROVIDENCE CITY.			REST OF STATE.		
	Number who Died.	Aggregate Age.	Average Age.	Number who Died.	Aggregate Age.	Average Age.	Number who Died.	Aggregate Age.	Average Age.
Tool-maker.....	1	51	51.00	.....	.....	.....	1	51	51.00
Umbrella-maker.....	1	79	79.00	1	79	79.00	.....	.....	.....
Upholsterers.....	2	63	31.50	.....	.....	.....	2	63	31.50
Watch-maker.....	1	53	53.00	1	53	53.00	.....	.....	.....
Wheelwrights.....	5	356	71.20	2	149	74.50	3	207	69.00
 V. FEMALES.									
Actress.....	1	24	24.00	.....	.....	.....	1	24	24.00
Book-binder.....	1	43	43.00	1	43	43.00	.....	.....	.....
Dressmakers and Seamstresses.....	9	274	30.44	8	247	30.88	1	27	27.00
Milliner.....	1	47	47.00	1	47	47.00	.....	.....	.....
Nurse.....	1	40	40.00	.....	.....	.....	1	40	40.00
Operatives.....	22	571	25.95	7	170	24.28	15	401	26.73
Servants.....	5	237	47.40	1	49	49.00	4	188	47.00
Sister of Mercy.....	1	32	32.00	1	32	32.00	.....	.....	.....
Tailoresses.....	2	84	42.00	1	28	28.00	1	56	56.00
Teachers.....	6	325	54.17	4	206	51.50	2	119	59.50

## RECAPITULATION BY CLASSES.

OCCUPATIONS.	WHOLE STATE.			PROVIDENCE CITY.			REST OF STATE.		
	Number who Died.	Aggregate Age.	Average Age.	Number who Died.	Aggregate Age.	Average Age.	Number who Died.	Aggregate Age.	Average Age.
I. AGRICULTURE.	155	10,124	65.32	7	499	71.28	148	9,625	65.03
II. PROFESSIONAL AND PERSONAL SERVICES.....	287	14,175	49.39	134	6,516	48.63	153	7,659	50.06
III. TRADE AND TRANSPORTATION.....	145	8,016	55.28	81	4,281	52.85	64	3,735	58.36
IV. MANUFACTURES, MECHANICAL AND MINING INDUSTRIES.....	371	18,868	50.86	171	8,547	49.98	200	10,321	51.61
V. FEMALES....	49	1,677	34.22	24	822	34.25	25	855	34.20
ALL CLASSES. ....	1,007	52,860	52.49	417	20,665	49.56	590	32,195	54.57

TABLE XII.—OCCUPATIONS AND CAUSES OF DEATH, 1878.  
*Deaths at ages under 20 years being excluded.*

		Whole Number of given Causes.	Causes.	Whole Number of given Causes.	Causes.
Saloon-keepers.....	3			3	
Stable-keepers.....	2			2	
Student.....	1			1	
Teachers *.....	1			1	
Undertaker.....	1			1	
Waiters.....	1			1	
Watchman.....	1			1	
III. TRADE AND TRANSPORTATION.					
Agents.....	1			1	
Apothecaries.....	1			1	
Bankers.....	13			1	
Book-keepers.....	1			4	
Boutmen.....	2			1	
Brokers.....	3			1	
Butchers.....	5			2	
Cashiers (Bank, &c.).....	3			1	
Expressmen.....	2			1	
Fishermen and Oystermen.....	8			1	
Grocers .....	1			3	
Hackman.....	1			1	
Insurance.....	1			1	
Liquor Dealers.....	6			2	
Martners.....	27			2	
Marketman.....	1			1	
Merchants *.....	1			4	
Peddlers.....	6			1	
Porter.....	1			1	
Railroad Station Agent.....	1			1	
Ship Chandlers.....	3			3	
Teamsters *.....	13			1	
Telegrapher.....	1			1	
Traders and Dealers *.....	6			1	

## OCCUPATIONS.

TABLE XII.—OCCUPATIONS AND CAUSES OF DEATH, 1878.—Continued.

OCCUPATIONS.

TABLE XII.—OCCUPATIONS AND CAUSES OF DEATH, 1878.—Continued.

TABLE XII.—OCCUPATIONS AND CAUSES OF DEATH. 1878.—Concluded.

RECAPITULATION BY CLASSES.

OCCUPATIONS.	Whole Number of Cases.									
	Males.					Females.				
Agriculture.....	149	1	3	16	9	1	1	17	..	..
Professional and Personal Services.....	972	..	16	928	9	9	6	1	85	1
Baldachin and Paravents.....	141	2	5	15	1	8	3	..	25	3
Accidents.....	359	230	236	112	312	3	13	2	100	..
Anecdotes.....	42	1	1	2	2	..	..	3	17	..
Chlorine Morsins.....	965	645	491	933	833	3	5	244	4	110
Coffee.....	149	1	3	16	9	1	1	17	..	..
Bromochlorides.....	141	2	5	15	1	8	3	..	25	3
Drugs.....	359	230	236	112	312	3	13	2	100	..
Diphtheria.....	42	1	1	2	2	..	..	3	17	..
Diabetes.....	965	645	491	933	833	3	5	244	4	110
Debility.....	149	1	3	16	9	1	1	17	..	..
Diarrhea.....	141	2	5	15	1	8	3	..	25	3
Drugs.....	359	230	236	112	312	3	13	2	100	..
Drypesy.....	42	1	1	2	2	..	..	3	17	..
Dysentery.....	965	645	491	933	833	3	5	244	4	110
Gangrene.....	149	1	3	16	9	1	1	17	..	..
Hemorrhage.....	141	2	5	15	1	8	3	..	25	3
Hernia.....	359	230	236	112	312	3	13	2	100	..
Hysteria.....	42	1	1	2	2	..	..	3	17	..
Inflammation and Deformities.....	965	645	491	933	833	3	5	244	4	110
Kidneys, Diseases of.....	149	1	3	16	9	1	1	17	..	..
Liver, Diseases of.....	141	2	5	15	1	8	3	..	25	3
Menstruation, Diseases of.....	359	230	236	112	312	3	13	2	100	..
Murderer and Homicide.....	42	1	1	2	2	..	..	3	17	..
Old Age.....	965	645	491	933	833	3	5	244	4	110
Pneumonia.....	149	1	3	16	9	1	1	17	..	..
Pretentionis.....	141	2	5	15	1	8	3	..	25	3
Rheumatism.....	359	230	236	112	312	3	13	2	100	..
Spleenitis.....	42	1	1	2	2	..	..	3	17	..
Stomach, Diseases of.....	965	645	491	933	833	3	5	244	4	110
Tuberculosis.....	149	1	3	16	9	1	1	17	..	..
Tumors.....	141	2	5	15	1	8	3	..	25	3
Venereal Disease.....	359	230	236	112	312	3	13	2	100	..
Walls, Diseases of.....	42	1	1	2	2	..	..	3	17	..
Whole Number of Cases.....	965	645	491	933	833	3	5	244	4	110

\*In addition to those given under the above diseases there were as follows:

THE CHINESE IN AMERICA

In Class II, one Laborer died of Gallstones; one of Laryngitis; one of Exposure to Cold; one from Heat, and one by Lightning; one Salesman of Spleen Disease;  
one Teacher of Schoolchildren.

In Class III., one Merchant died of Skin Disease; one Teamster by Lightning; one Trader of Asthma.  
In Class IV., one Shoemaker died of Neglect; one Jeweler of Hip Disease; one Die Shinker of Septicemia; one Brush-maker of Tansy of Marasmus; one Manufacturer of Convulsions; one Operative of Intussusception; one tailor of Jaundice, and one of Uremia.

## RESULTS AND OBSERVATIONS, 1878.

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It will be observed upon examination of the preceding Tables, that there were recorded in the State of Rhode Island, during the year 1878, six thousand seven hundred and fourteen (6,714) births; two thousand three hundred and twenty-four (2,324\*) marriages; and four thousand four hundred and forty-one (4,441) deaths.

TABLE XIII.

*Presenting the general results of Registration, in the State, during each of the last twenty-five years.*

Year.	Whole number of Births.	Living		Marriages.	Deaths.
		Still-born.	Births.		
1854.....	2,105.....	78.....	2,027.....	1,047.....	1,730
1855.....	2,926.....	124.....	2,802.....	1,375.....	1,846
1856.....	2,906.....	183.....	2,723.....	1,535.....	2,042
1857.....	4,026.....	185.....	3,841.....	1,526.....	2,325
1858.....	4,263.....	177.....	4,086.....	1,438.....	2,616
1859.....	4,500.....	177.....	4,323.....	1,672.....	2,270
1860.....	4,660.....	167.....	4,493.....	1,748.....	2,686
1861.....	4,840.....	146.....	4,694.....	1,593.....	2,927
1862.....	4,125.....	123.....	4,002.....	1,450.....	2,591
1863.....	3,691.....	111.....	3,580.....	1,618.....	3,207
1864.....	3,892.....	138.....	3,754.....	1,844.....	3,360
1865.....	3,955.....	177.....	3,778.....	1,896.....	3,405
1866.....	4,902.....	172.....	4,730.....	2,318.....	2,970
1867.....	5,127.....	163.....	4,964.....	2,344.....	2,889
1868.....	5,372.....	212.....	5,160.....	2,285.....	2,912
1869.....	5,245.....	230.....	5,025.....	2,289.....	3,382
1870.....	5,215.....	234.....	4,981.....	2,362.....	3,238
1871.....	5,678.....	223.....	5,455.....	2,336.....	3,344
1872.....	6,143.....	202.....	5,941.....	2,537.....	4,247
1873.....	6,022.....	228.....	5,794.....	2,630.....	4,403
1874.....	6,466.....	277.....	6,189.....	2,541.....	4,239
1875.....	6,508.....	246.....	6,262.....	2,485.....	4,317
1876.....	6,320.....	224.....	6,105.....	2,253.....	4,116
1877.....	6,235.....	242.....	5,998.....	2,282.....	4,450
1878.....	6,714.....	248.....	6,466.....	2,324*.....	4,441

The aggregates for the whole period of 25 years are, of recorded births, 121,845, of whom 4,677 were still-born, and 117,168 were living children. Of marriages recorded there were 49,662, or 99,324 persons married; and of recorded deaths, 79,933 persons.

On the next page the usual Table is given, showing a comparison of the births, marriages and deaths, with the population, in each town in the State, for the year 1878.

\* Correction of Table I. by a corrected town return, received after the Table was in print.

TABLE XIV.

BIRTHS, MARRIAGES AND DEATHS IN RHODE ISLAND,  
IN 1878, COMPARED WITH THE POPULATION  
BY THE CENSUS OF 1875.

TOWNS AND DIVISIONS OF THE STATE.	Population in 1875.	Births in 1878.		Marriages in 1878.		Deaths in 1878.		Deaths in each 100 of the population.
		To population one birth in	Marriages in 1878.	To population one person married in	Deaths in 1878.	Of population one death in		
Barrington.....	1,185	20	59.25	5	118.50	23	51.52	1.94
Bristol.....	5,829	159	36.66	51	57.15	85	68.58	1.45
Warren.....	4,005	79	50.69	48	41.72	85	47.12	2.12
BRISTOL COUNTY.....	11,019	258	42.75	104	52.97	193	57.09	1.75
Coventry.....	4,580	91	50.33	36	63.61	80	57.25	1.75
East Greenwich.....	3,120	52	60.00	30	52.00	40	78.00	1.28
West Greenwich.....	1,094	23	44.96	7	73.86	16	64.62	1.55
Warwick.....	11,614	284	40.89	73	79.55	152	76.41	1.31
KENT COUNTY.....	20,348	450	45.22	146	69.69	288	70.65	1.41
Jamestown.....	488	9	54.92	2	122.00	4	122.00	.82
Little Compton.....	1,156	9	128.44	10	57.80	12	96.33	1.04
Middletown.....	1,074	32	33.56	6	89.50	13	82.61	1.22
New Shoreham.....	1,147	12	95.58	1	573.50	9	127.44	.78
Portsmouth.....	1,893	28	67.61	5	189.30	20	94.45	1.06
Tiverton.....	2,101	67	31.36	17	61.79	18	116.76	.85
TOWNS, NEWPORT COUNTY.....	7,859	157	50.06	41	95.84	76	105.41	.95
NEWPORT CITY.....	14,028	476	29.68	127	55.23	223	62.91	1.51
Burrillville.....	5,249	130	40.37	34	77.19	66	79.56	1.26
Cranston.....	5,688	148	38.43	18	157.60	88	64.64	1.55
Cumberland.....	5,673	165	34.39	54	52.53	87	65.21	1.53
East Providence.....	4,326	166	26.12	19	114.10	90	48.18	2.08
Foster.....	1,543	22	70.14	42	18.37	16	96.44	1.04
Glocester.....	2,098	48	43.71	30	34.97	38	55.21	1.92
Johnston.....	4,999	135	37.03	27	92.57	46	108.68	.92
Lincoln.....	11,565	335	34.22	54	107.04	208	55.60	1.80
North Providence.....	1,303	26	50.12	2	325.70	14	93.07	1.07
North Smithfield.....	2,797	62	45.11	28	49.95	38	73.61	1.33
Pawtucket.....	18,464	528	34.97	168	54.95	332	55.61	1.79
Scituate.....	4,101	80	51.26	40	51.26	71	57.76	1.73
Smithfield.....	2,857	74	38.61	20	71.42	30	95.23	1.05
Woonsocket.....	13,576	404	33.60	147	46.18	287	47.30	2.11
TOWNS, PROVIDENCE COUNTY.....	84,249	2,323	36.92	683	61.67	1,411	59.71	1.68
PROVIDENCE CITY.....	100,675	2,585	38.95	1,016	49.50	1,989	80.62	1.98
Charlestown.....	1,054	14	75.29	7	75.29	15	70.27	1.42
Exeter.....	1,355	23	58.91	16	42.35	17	79.71	1.25
Hopkinton.....	2,760	65	42.62	41	33.61	47	58.72	1.70
North Kingstown.....	3,505	94	37.29	29	60.41	57	61.49	1.63
South Kingstown.....	4,240	106	40.00	39	54.36	47	90.21	1.11
Richmond.....	1,739	49	35.49	15	57.86	30	57.96	1.73
Westerly.....	5,408	114	47.44	60	45.07	48	112.54	.88
WASHINGTON COUNTY.....	20,061	465	43.14	207	48.45	261	76.86	1.30
WHOLE STATE.....	258,239	6,714	38.46	*2,324	55.67	4,441	58.10	1.73

\* See foot note on page 46.

Great disproportions will be found, upon examination of the preceding Table, in the comparison of the births, marriages and deaths, to the population in each of the several towns of the State. The largest proportional number of births is found in the town of East Providence, which reports one birth to every 26.12 persons in the town; the city of Newport follows with one birth to every 29.68; Tiverton with one to every 31.36; Middletown, one to every 33.56; Woonsocket, one to every 33.60; Lincoln, one to every 34.22; Cumberland, one to every 34.39, and Pawtucket, one to every 34.97. On the other hand, the smallest proportional number of births to inhabitants is returned from the town of Little Compton, where but one birth is recorded to every 128.44 persons, differing widely from the adjoining town of Tiverton, that is, by less than one to four. From Little Compton, among the towns having the smallest birth rate, the number rises to one in every 95.58 in New Shoreham; one in every 75.29 in Charlestown; to one in every 70.14 in Foster. Among the larger towns, not mentioned above, Providence returns one birth to every 38.95 persons; Warwick, one in every 40.89; Bristol, one to every 36.66. For the different counties, the proportions stand as follows: Bristol county, one birth to every 42.75; Kent county, one in every 45.22; Newport county, towns, one to every 50.06; Newport city, 29.68; average of aggregate births to population in Newport county, one in every 34.57. Providence county, towns, one in 36.22; Providence city, 38.95; average of aggregate births to population in Providence county, one in every 37.68. Washington county reports one birth in every 43.14 of its population. It will be observed that Bristol, Kent and Washington counties vary but slightly in their proportional birth rates, while Providence and Newport counties, although differing but little one from the other, show a considerable difference in comparison with the three counties first named. For the whole State, the birth rate is one to every 38.46.

The difference in the ratio of marriages to population, as reported from the several towns, is even more remarkable than that of births, although in many towns the difference is more readily accounted for. New Shoreham reports one marriage, or one person married in every 573.50 of the population; North Providence, one person married to every 325.70; Portsmouth, one person married to every 189.30; Cranston, one to every 157.60. While, at the other extreme, Foster reports the extraordinary ratio of one person married to every 18.37 of the permanent residents, or one to less than every five families. This town has led all the other towns in the State, nearly every year, during the twenty-five years of registration, in its exceptionally high marriage rate. Hopkinton follows, with a return of one person married to every 33.61 persons.

It is not reasonable to suppose that the number of marriages reported from those towns having a very low marriage rate, are all the marriages solemnized between parties resident in those towns. The popular clergymen in the cities and larger villages draw away, very frequently, from the more sparsely settled and less fortunate towns the performance of the marriage ordinance. Sentiments of romance and pride, the fascination of city surroundings, and especially the religious faith of many, who deem it an imperative duty to apply to properly constituted ecclesiastical authority for the performance of the rite, are the causes of the diminished marriage rate in Cranston, East Providence, North Providence, and other towns similarly located.

The marriage rate of the different counties also varies considerably more than the birth rate of the same. Bristol county shows a mean rate of one person married to every 52.97 of the population; Kent county, one to every 69.69; Newport county, towns, the low rate of one to every 95.84, while Newport city shows a rate nearly double, viz., one to every 55.23, and Newport county, in the whole, one to every 65.14; Providence county, towns, show the mean rate, one to 61.67, and Providence city, one to 49.50; Providence county, as a whole, one to every 54.40; Washington county, one to 48.45, and the whole State, one to every 55.67 of the population.

The extremes of mortality were not so widely different in the year 1878 as in the preceding year, in which the proportions varied from one in 172.09 of the population in Portsmouth, to one in 41.39 in Woonsocket. The largest percentage of deaths during the year 1878, was in the town of Warren, which was one decedent to every 47.12 persons, or 2.12 in each 100 of the population. Next following, one in 47.30 in Woonsocket; next, one in 48.18 in East Providence, and one in 50.63 in Providence city, or 1.98 per cent. of the population. The large mortality in Cranston, during the year 1877, which was one in every 41.82, or 2.39 in each hundred, and owing, in a great measure to unusual mortality in the institutions on the State Farm, diminished in 1878 to one in 64.64, or 1.55 in each 100 of the population. Three towns only report a death rate of more than two per cent., viz.: Warren, 2.12; Woonsocket, 2.11; East Providence, 2.08.

The minimum of mortality in any one of all the towns in the State, for the year 1878, is reported from New Shoreham, and is one death in every 127.44 persons, or but little more than three-quarters of one per cent. of the population.

The towns reporting a death rate of less than one per cent. for the year, are New Shoreham, 0.78; Jamestown, 0.82; Tiverton, 0.85; Westerly, 0.88, and Johnston, 0.92. The mortality of Westerly has steadily diminished during each of the last four years. In the year

1875, there was one death to every 65.9 of the population of that town, or a little more than one and one-half per cent.

The death rate for the whole State, is one decedent to every 58.06 of the population, or 1.72 in each 100.

The returns of births, marriages, or deaths, for a single year, afford very uncertain data for definite conclusions, in regard to the social or sanitary conditions of the respective towns from which they are returned.

In order to ascertain more definitely and correctly the relation of these events to the population of the several towns in the State, a Table is subjoined, which shows the number of these events in each year, in each of the several towns, and also the aggregates of the same for a period of four years, from 1875 to 1878, inclusive, with the proportions of the average occurrence of the same, during the said period, to the population.



TABLE XV.

*Showing the Number of Births, Marriages and Deaths, in each town in the State, during each of the four years, 1875, 1876, 1877 and 1878, inclusive, with the aggregates of the same; also the proportions of the average number of the same to the population in each town, during the same period.*

TOWNS AND DIVISIONS OF THE STATE.	Population in 1875.	BIRTHS.				MARRIAGES.				DEATHS.				Percentage. Four Deaths per 1,000 whole num- ber births.							
		1875.	1876.	1877.	1878.	1875.	1876.	1877.	1878.	1875.	1876.	1877.	1878.								
		Whole Births, four years.	Whole Births, four years.	Whole Births, four years.	Whole Births, four years.	Average to population one in every four years.	Whole Mar- riages, four years.	Whole Mar- riages, four years.	Whole Mar- riages, four years.	Whole Mar- riages, four years.	Percentage. Four Deaths per 1,000 whole num- ber births.										
Barrington.....	1,185	16	34	32	30	72	65.84	4	11	5	35	94.80	20	17	20	23	80	59.24	1.60		
Bristol.....	5,839	197	182	145	150	683	34.13	54	42	39	51	186	62.67	79	71	101	85	396	62.38	1.60	
Warren.....	4,005	74	70	65	79	288	58.00	42	34	40	48	164	97.08	66	74	80	85	305	52.52	1.90	
BRISTOL COUNTY, ...	11,019	287	276	282	288	1,043	42.24	100	87	84	104	275	80.14	165	162	201	198	721	61.13	1.63	
Coventry.....	4,580	77	86	43	91	307	61.72	36	29	31	36	132	79.40	82	61	52	80	275	66.61	1.50	
East Greenwich.....	3,130	69	53	57	52	231	54.00	29	28	22	30	109	57.24	61	46	52	40	199	62.71	1.50	
West Greenwich.....	3,164	81	82	17	93	483	44.89	7	9	3	3	7	70.54	22	13	11	16	62	67.72	1.50	
Warwick.....	11,614	211	250	217	254	902	48.26	88	120	91	73	378	61.44	130	119	151	152	561	82.08	1.30	
KENT COUNTY, ....	20,348	388	411	394	450	1,588	51.40	160	192	147	146	645	65.08	304	239	206	288	1,097	74.62	1.30	
Jamesstown.....	488	8	3	5	9	30	97.60	1	1	3	2	7	187.40	5	8	3	4	30	97.60	1.02	
Little Compton.....	1,156	24	19	24	9	76	60.64	16	16	3	7	10	36	64.92	18	12	14	13	56	82.56	1.30
Middleton.....	1,074	14	22	14	32	82	52.20	5	5	4	6	20	103.40	8	10	14	13	45	95.46	1.03	
New Shoreham.....	1,147	34	20	12	66	63.49	10	10	9	1	30	76.45	16	7	7	10	9	42	109.23	.91	
Portsmouth.....	1,893	24	19	28	99	76.48	12	13	20	5	49	77.76	18	20	11	30	69	109.72	.90		
Tiverton.....	2,101	60	46	42	67	215	38.08	33	11	32	17	93	45.98	34	36	30	18	118	71.90	1.40	
TOWNS, NEWPORT CO.	7,850	149	119	123	167	567	56.08	77	42	75	41	235	66.80	90	93	82	76	350	69.81	1.10	
NEWPORT CITY, ....	14,028	363	296	381	476	1,516	37.01	120	102	107	127	465	60.33	197	203	150	223	812	69.12	1.43	
NEWPORT COUNTY, ..	21,887	511	415	514	683	2,073	42.24	206	144	182	162	700	63.10	296	271	299	1,162	74.80	1.34		

TABLE XV.—Continued.

TOWNS AND DIVISIONS OF THE STATE.		BIRTHS.						MARRIAGES.						DEATHS.						
Population in 1875.	1875.	1876.	1877.	1878.	1875.	1876.	1877.	1878.	1875.	1876.	1877.	1878.	1875.	1876.	1877.	1878.				
Burrillville.....	125	108	118	130	481	51,96	50	43	34	132	74	68	69	277	75,80	1,30	1,30			
Chandlerland.....	5,249	5,088	5,130	5,114	148	42,75	25	9	12	64	142	107	136	88	473	82,17	2,00	2,00		
Cumberland.....	5,673	5,117	5,127	5,151	165	560	40,52	64	57	54	222	51,10	64	49	76	82,17	1,20	1,20		
East Providence.....	4,395	4,095	4,199	4,125	166	516	33,61	36	31	24	110	78,54	61	65	90	971	64	64		
Foxboro.....	1,543	94	23	18	188	196	66,36	19	20	27	42	108	88,58	12	17	19	98	96,44	1,03	
Gloster.....	2,008	45	35	38	48	166	50,36	17	20	9	30	85	49,94	32	40	37	98	61,95	1,63	
Holbrook.....	4,969	116	114	117	135	482	21,21	18	21	37	202	106	75	53	250	73,95	2,00	2,00		
Lincoln.....	3,622	342	353	335	335	1,382	33,33	54	50	47	54	105	11,82	174	165	208	780	49,30	2,08	
North Providence.....	1,303	31	24	30	26	111	47,16	12	13	3	2	29	80,86	18	14	16	62	80,93	1,19	
North Smithfield.....	2,737	68	61	73	62	964	42,37	32	34	28	28	110	41,47	34	31	48	38	151	73,82	1,35
Pawtucket.....	18,464	600	549	528	528	9,205	93,40	906	180	191	168	754	46,97	351	275	340	332	1,198	61,64	1,62
Providence City.....	4,101	73	79	74	80	305	52,45	55	47	63	40	205	40,00	79	52	53	71	64,32	1,53	1,53
Rhode Island.....	2,857	67	58	68	74	277	42,80	30	20	30	97	58,90	27	31	37	30	115	67,37	1,00	
Woonsocket.....	13,576	406	414	440	404	1,064	32,63	117	166	147	147	577	47,06	289	277	328	387	1,181	46,96	2,18
Towns, Prov. Co....	84,249	2,247	2,300	2,347	2,323	9,066	37,16	714	704	707	683	2,868	60,00	1,337	1,294	1,411	5,490	62,08	1,61	1,61
Providence City...	100,675	9,664	9,631	9,543	9,585	10,403	38,70	1,073	949	933	1,016	3,997	50,36	1,915	1,805	1,989	7,707	52,35	1,91	1,91
Charlestown.....	184,924	4,911	4,840	4,780	4,908	10,469	38,03	1,793	1,653	1,660	1,680	6,806	54,35	3,942	3,060	3,456	3,400	13,197	56,05	1,78
North Kingstown.....	1,054	22	12	9	14	57	73,82	4	7	10	7	28	71,28	19	17	15	15	66	63,87	1,56
Exeter.....	1,325	12	12	16	23	63	86,04	14	8	16	16	54	50,18	14	16	14	17	61	88,55	1,13
Hopkinton.....	8,790	51	51	75	49	65	240	48	25	36	41	150	26,80	33	51	50	47	160	69,00	1,45
North Smithfield.....	3,505	68	75	89	94	341	51,13	31	16	34	29	65,72	43	60	51	57	211	66,44	1,51	
South Kingstown.....	4,240	86	103	83	106	378	44,88	35	35	37	13	146	58,08	65	73	47	30	279	60,78	1,64
Westerly.....	1,739	40	28	25	49	142	49,10	14	14	7	15	50	65,56	34	34	36	30	114	61,01	1,02
Washington Co....	5,408	116	82	104	114	316	68,34	80	72	69	60	281	38,48	82	67	50	48	256	84,49	1,18
Whole State.....	258,239	6,508	6,329	6,235	6,714	25,786	40,06	2,465	2,253	2,269	2,324	9,344	55,32	4,317	4,116	4,450	4,441	17,324	59,87	1,07

It has been before observed, that the returns from the different towns of the number of births, marriages and deaths occurring in them respectively, vary so much, one year with another, that no approximate ratio of these events to the population in those towns can be determined, except by a comparison of the average number of each in the returns for a series of years.

In Table XV will be found the number of each of these events, in each of the last four years of registration, together with the aggregate of the same in each of the towns, and in each of the counties during that period, and also a comparison of the average of these several events to the population, on the basis of the Census of 1875.

On consulting the Table, it will be seen that the proportions of the average number, for the whole period of four years, of the three classes of events, in the several towns, vary very greatly, as previously stated, in comparison with the population, but when aggregated into counties, the difference is considerably lessened, though even then they are far from uniform. While the average number of births in Woonsocket, for the period named, is one to every 32.63 of the population, the average of Jamestown is one to every 97.60.

The towns in which the largest proportional number of births occurred, in the four years named, following Woonsocket, are Lincoln, one birth in every 33.23; Pawtucket, one in 33.49; East Providence, one in 33.61; Bristol, one in 34.13.

On the other hand, next to Jamestown, is Exeter, with the average of one birth to every 86.04 of the population; next, Portsmouth, one in 76.48; Charlestown, one in 73.82, and New Shoreham, one in 69.49.

The towns of Providence county show an average birth, for the period of four years, of one to every 37.16; the towns of Newport county, an average of one birth to every 56.08; Providence city, one in every 38.70, and Newport city, one in every 37.01.

The difference between the towns of Newport county and Newport city is quite remarkable. The average for the whole county of Newport is one in every 42.24, and for Providence county, one in 38.03.

The proportions of the average, for the same period, of the other counties are: Bristol, one in every 42.24; Kent, one in 51.40; Washington, one in 48.98. Average for the whole State, one birth in every 40.06 of the population.

The highest average marriage rate for the four years, is found in the town of Foster; that is, one person married to every 28.58 of the population; the next, in Hopkinton, one in 36.80; Westerly, one in 38.48; Tiverton, one in 45.28, and Woonsocket, one in 47.06.

The towns having the lowest average rate are Cranston, one person married to every 177.74 of the inhabitants; Jamestown, one in every

137.40; Lincoln, one in 112.82; Providence county, towns, one in 60.00, and Newport city, one in 60.33, stand on nearly equal footing, while Providence city shows a record of one in every 50.36. But it must not be forgotten, that many of the marriages solemnized in the city of Providence are of parties who are residents of other towns in the State, and of other States, and the number reported does not, therefore, show the exact relation between the number of residents married and the population.

The counties also vary considerably in the marriage rate. Washington county leading, with the marriage of one person to every 48.98 of the population, which is also the birth rate, or two children born to every marriage recorded. Providence county follows, with a rate of one to every 54.35; Newport county, one to 63.10; Kent county, one to 65.08, and Bristol county the smallest average, viz.: one to every 80.14 of the population. For the whole State, the mean average of the four years is one person married in every 55:32.

The highest average death rate is found in the town of Woonsocket; that is, one decedent in every 45.96 of the population, or 2.18 in each 100; next, Cranston, one in every 48.10, or 2.09 per cent.; Lincoln, one in 49.30, or 2.03 per cent. These are the only towns having a death rate reaching as high as two per cent.

Providence city shows an average rate of one decedent in every 52.25, or 1.91 per cent., and the town of Warren, one in every 52.50, or 1.90 per cent.

The lowest average death rate is found in Portsmouth; that is, one decedent in every 109.72 of the population, or 0.90 per cent.; next, New Shoreham, one in 109.23, or 0.91 per cent.; Smithfield, one in 99.37, or about 1.00 per cent. These are all the towns having a death rate as low as one per cent. or less. With a rate of mortality but slightly higher, are Foster, Middletown and Jamestown.

The average death rate for the counties varies from one in every 56.05, or 1.78 per cent., in Providence county, to one in every 74.80, or 1.34 per cent., in Newport county. Newport county, towns, show only one decedent in every 89.81, or 1.10 per cent., while Newport city shows one in every 69.12, or 1.43 per cent. Providence county, towns, show one death in every 62.08, or 1.61 in each one hundred, while Providence city shows one in every 52.25, or 1.91 per cent.

The other counties show the average rate of one decedent in every 61.13, or 1.63 per cent., in Bristol county; one in every 69.96, or 1.43 per cent., in Washington county, and one in every 74.62, or 1.30 per cent., in Kent county.

For the whole State, the average of the four years is one decedent in every 59.87, or 1.67 in each 100 of the population.

For a more rapid comparison of the average percentage to the population of the births, marriages and deaths, in the different counties, for the period of four years, from 1875 to 1878, inclusive, the following synopsis is added:

	Births one in every	Marriages one person married in every	Deaths one in every
Bristol County....	42.24	80.14	61.13
Kent County .....	51.40	65.08	74.62
Newport County....	42.24	63.10	74.80
Providence County.....	38.03	54.35	56.05
Washington County .....	48.98	48.98	69.96
Whole State....	40.06	55.32	59.87

It may be of interest to contrast the births, on the basis of each 100 of the same, for the last four years, with the number of persons married, and with the deaths for the same period, in each of the larger divisions of the State.

In Bristol county the aggregate of births for the period named, were 1,043; the number of persons married during the same time were 550; giving nearly four births to every couple married, or nearly two births to every person entering the marriage state. The whole number of deaths in the same section, during the same time, were 721. The proportions, therefore, stand as follows: For every 100 births there were 69.13 deaths, and 26.36 marriages, or 52.72 persons married.

In Kent county for the same period, the aggregates were: births, 1,583; marriages, 645; deaths, 1,097. The proportions in this county are, therefore, as follows: For every 100 births there were 40.74 marriages, or 81.48 persons married, and 69.36 persons died.

In Newport county there were 2,073 births, 700 marriages and 1,162 deaths. The ratio of these events in this county are, therefore, for every 100 births, 33.50 marriages, or 67.00 persons married, and 56.05 persons died.

In Providence county during the same period, there were 19,469 births, 6,805 marriages and 13,197 deaths. The proportions will then be, for every 100 births there were 35.00 marriages, or 70.00 persons married, and 67.78 deaths.

In Washington county for the same series of years, there were 1,637 births, 819 marriages, and 1,147 deaths. The proportions for this county are, therefore, as follows: For every 100 births there were 50 marriages, or 100 persons married, and 70 persons died.

In the whole State for the same period, there were 25,786 births; 9,344 marriages, or 18,688 persons married, and 17,324 persons died. The proportions for the whole State are, therefore, for every 100 births there were 36.21 marriages, or 72.42 persons married, and 67.02 persons died.

The following recapitulatory summary, will present the foregoing remarks more concisely and clearly:

	Persons Married.	Deaths.
Bristol County.....	To every 100 births there were.....	52.72.....and 69.18
Kent County.....	To every 100 births there were.....	81.48.....and 69.86
Newport County.....	To every 100 births there were.....	67.00.....and 56.05
Providence County.....	To every 100 births there were.....	70.00.....and 67.78
Washington County.....	To every 100 births there were.....	100.00.....and 70.00
Whole State.....	To every 100 births there were.....	72.42.....and 67.02

TABLE XVI.

*Showing the proportions of Births, Marriages and Deaths, to the population, in the aggregate for the whole State, in each of the last ten years.*

YEARS.	BIRTHS.		MARRIAGES.		DEATHS.		
	Number.	To popula-tion one birth in	Number.	Of popula-tion one person mar-ried in	Number.	Of popula-tion one death in	Deaths in each 100 of the popu-lation.
1869.....	5,245	41.4	2,289	47.5	3,382	64.2	1.56
1870.....	5,215	41.7	2,362	46.0	3,238	67.1	1.49
1871.....	5,678	38.2	2,336	46.5	3,344	65.0	1.54
1872.....	6,143	35.4	2,537	42.9	4,247	51.2	1.95
1873.....	6,022	36.1	2,630	41.8	4,403	49.4	2.08
1874.....	6,466	39.9	2,541	50.8	4,229	61.1	1.64
1875.....	6,508	39.7	2,485	52.0	4,317	59.8	1.67
1876.....	6,329	40.8	2,253	57.3	4,116	62.7	1.59
1877.....	6,235	41.4	2,282	56.6	4,450	58.0	1.72
1878.....	6,714	38.5	2,324	55.7	4,441	58.1	1.72

The number of births recorded in the State during the year 1878, is larger than that of any preceding year. Upon the basis of a comparison made with the population according to the State Census of 1875, i. e., 258,239 for the whole State, there was one birth to every 38.46 of the population, or 2.6 per cent. The percentage is therefore larger than during any year since the comparisons have been made on the basis of the Census of 1875, as shown in the preceding table. But upon a comparison with the population, as it actually existed during the year 1878, it is doubtful if there has been any proportional increase of importance.

The number of marriages during the year 1878 was slightly in excess of that of the previous year, and also of the year 1876, but considerably less than in either of the years from 1872 to 1875, inclusive, and slightly less than in the years 1870 and 1871. Doubtless the continued prevalence of "dull times," and the almost universal indifference toward investment in new enterprises, have contributed to lessen the number of matrimonial ventures.

There is a slight decrease in the number of deaths reported in 1878, the difference, as seen in the preceding Table, being only nine, and not changing at all the general percentage. There might be hope that the increased number of deaths reported for the years 1877 and 1878, as compared with the previous three years, was attributable to increased interest in, and attention to, more careful and complete reports of deaths, but for the fact that the deceedents reported for the two years last mentioned were only slightly in excess of those of the year 1873, being 47 and 38, respectively.

By reference to the preceding Tables, it will be seen that the number of births reported in the whole State, for the year 1878, exceed that for the year 1877 by 479, and for the year 1876 by 385. As before stated, the number for the whole State is larger than in any previous year, and the aggregate for each of the several counties is also larger than for the year 1877.

## BIRTHS, 1878.

In Tables I, II and III, on pages 2 to 6, inclusive, will be found the general statistics in relation to births in Rhode Island during the year 1878. The whole number reported, is 6,714, which is larger by 479 than during the year 1877, and larger by more than 200, of any previous year in the history of the State.

### SEX OF THE CHILDREN BORN.

Of the 6,714 children whose births were reported in 1878, there were 3,402 males, and 3,312 females. This gives 102.7 males to each 100 females; or 50.67 males and 49.33 females in each 100 children. The following recapitulatory Table shows the numbers and sex, and the proportions of each sex of the children born in Rhode Island, in each of the last twenty-five years.

TABLE XVII.

Years.	Males.	Females.	Males to each		Males.	Females.
			100 Females.	Males.		
1854	1,081	1,003	107.8, or.....	51.87 and 48.13 in each 100.		
1855	1,492	1,421	105.0, or.....	51.22 and 48.78 in each 100.		
1856	1,479	1,407	105.1, or.....	51.25 and 48.75 in each 100.		
1857	2,057	1,948	105.6, or.....	51.86 and 48.64 in each 100.		
1858	2,200	2,058	107.2, or.....	51.73 and 48.27 in each 100.		
1859	2,209	2,097	105.3, or.....	51.30 and 48.70 in each 100.		
1860	2,268	2,212	102.8, or.....	50.57 and 49.43 in each 100.		
1861	2,581	2,291	110.5, or.....	52.49 and 47.51 in each 100.		
1862	2,152	1,967	109.4, or.....	52.25 and 47.75 in each 100.		
1863	1,892	1,288	105.8, or.....	51.41 and 48.59 in each 100.		
1864	1,949	1,942	100.3, or.....	50.09 and 49.91 in each 100.		
1865	2,096	1,857	112.9, or.....	53.02 and 46.98 in each 100.		
1866	2,546	2,356	108.0, or.....	51.94 and 48.06 in each 100.		
1867	2,665	2,464	107.0, or.....	51.87 and 48.13 in each 100.		
1868	2,745	2,627	104.5, or.....	51.10 and 48.90 in each 100.		
1869	2,685	2,560	104.9, or.....	51.19 and 48.81 in each 100.		
1870	2,679	2,536	105.6, or.....	51.37 and 48.63 in each 100.		
1871	2,878	2,800	102.8, or.....	50.69 and 49.31 in each 100.		
1872	3,085	3,058	100.9, or.....	50.23 and 49.78 in each 100.		
1873	3,135	2,887	108.6, or.....	52.06 and 47.94 in each 100.		
1874	3,311	3,155	104.9, or.....	51.21 and 48.79 in each 100.		
1875	3,362	3,146	106.9, or.....	51.66 and 48.34 in each 100.		
1876	3,291	3,038	106.3, or.....	52.00 and 48.00 in each 100.		
1877	3,163	3,072	108.0, or.....	50.73 and 49.27 in each 100.		
1878	3,402	3,312	102.7, or.....	50.67 and 49.33 in each 100.		
25 Years.	62,348	58,497	106.5, or.....	51.60 and 48.40 in each 100.		

The number of male children, in 1878, was 2.39 more than in 1877, and more than in any one of the twenty-four years preceding. The number of female children, in 1878, was 240 more than in 1877, and more than in any other preceding year.

#### PROPORTION OF THE SEXES.

The proportion of males, 102.7 to 100 females, in the births of 1878, was 3.8 in each 100 less than the average for the 25 years, inclusive. In only three of the preceding 24 years was the proportion of male children born less than in 1878.

The proportion of the sexes, in any single year, varies greatly in different portions of the State. The number and proportion in each division, in 1878, were as follows:

TABLE XVIII.

BIRTHS, 1878.	Bristol County.	Kent County.	Newport County, Towns.	Providence County, Towns.	Washington County.	Newport City.	Total.	Providence City.	Whole State.
Males.....	141	246	85	1,167	205	223	2,067	1,335	3,402
Females.....	117	204	72	1,156	260	253	2,062	1,250	3,312
Total.....	258	450	157	2,323	465	476	4,129	2,585	6,714
Males to each 100 Females..	120.5	120.6	118.0	101.0	78.8	88.1	100.2	106.8	102.7

It will be seen, by examination of the above Table, that the proportion of births of males to females, in 1878, varies from 78.8 males to 100 females, in Washington county, to 120.5 males to 100 females, in Bristol county. The proportion in Bristol county, in 1877, was 138.7, and in 1876, the very unusual ratio of 142.1 males to each 100 females. The change was very great from the years 1874 and 1875, when the proportions were, respectively, 98.7 and 95.2 males to each 100 females. With the exception of the two years named, Bristol county has returned a large excess of male births for the last sixteen years.

In Kent county, the proportion of 120.6 males to 100 females, is larger than during any previous year since 1862. In Newport county, towns, the males predominate, 118 to 100 females, while in Newport city the females are in excess, standing 88.1 males to each 100 females. In the whole county, the total of female births is also slightly in excess of the male births. In Washington county, the number of female births is largely greater than that of the males, the proportion being 78.8 males to 100 females. But in the total births of Washington

county, for the whole period of registration, the males predominate. In Providence county, towns, the numbers of the sexes born are nearly equal, standing 101.5 males to 100 females.

#### PROPORTION OF THE SEXES: PROVIDENCE CITY AND THE STATE.

The question of the probability "that the different conditions of existence in town and country might influence the proportions of the sexes of the children born," has been considered in previous reports, and will be continued in this, by the comparison of the statistics of births in the city of Providence, which supplies the most essential conditions of city life, with those of the rest of the State.

The number of children born in the city of Providence, during the year 1878, was 2,585, of whom 1,335 were males, and 1,250 were females. The proportion is, therefore, 106.8 males to each 100 females, or 51.64 males and 48.36 females in each 100 children.

In the rest of the State, during the same year, the number of births were 4,129, of which 2,067 were males, and 2,062 were females, or 100.2 males to 100 females; or 50.06 males, and 49.94 females, in each 100 children born.

The following shows the proportion of the sexes of the children born, in Providence, and in the rest of the State, during the years 1877 and 1878, and also in the twenty-five years from 1854 to 1878, inclusive:

#### 1877.

			Males to each		
	Males.	Females.	100 Females.	Males.	Females.
Providence City.....	1,302.....	1,241.....	104.9, or.....	51.20 and 48.80	in each 100.
Rest of the State.....	1,861.....	1,881.....	101.6, or.....	50.41 and 49.59	in each 100.

#### 1878.

			Males to each		
	Males.	Females.	100 Females.	Males.	Females.
Providence City.....	1,835.....	1,250.....	106.8, or.....	51.64 and 48.36	in each 100.
Rest of the State.....	2,067.....	2,062.....	100.2, or.....	50.06 and 49.94	in each 100.

#### TWENTY-FIVE YEARS, 1854 TO 1878, INCLUSIVE.

			Males to each		
	Males.	Females.	100 Females.	Males.	Females.
Providence City....	24,051.....	22,774.....	105.6, or.....	51.36 and 48.64	in each 100.
Rest of the State.....	38,297.....	35,723.....	107.2, or.....	51.74 and 48.26	in each 100.

The foregoing comparisons show that although the proportional number of male births in the city of Providence, for the years 1877 and 1878, were considerably in excess of the same in the rest of the State, for the same years, it does not hold good for the long period of twenty-five years.

The following Table, continued from the last report, shows the relative proportions of the sexes, in each division of the State, in each of the last sixteen years. This Table does not show the contrast between Providence city and the rest of the State; the statistics are for the "Whole State," and include those of the city.

TABLE XIX.

## NUMBER OF MALES TO EACH 100 FEMALES.

BIRTHS.	Bristol County.	Kent County.	Newport County.	Providence County, Towns.	Providence City.	Washington County.	Whole State.
1863.....	120.0	98.4	97.0	101.8	111.4	108.7	105.8
1864.....	106.8	87.3	90.6	107.4	97.3	103.4	100.8
1865.....	119.3	118.2	108.8	118.9	113.8	88.1	112.9
1866.....	100.4	113.1	103.4	104.9	108.4	124.0	108.0
1867.....	115.5	98.3	117.8	106.3	104.5	120.4	107.7
1868.....	117.4	88.7	100.2	101.6	102.4	186.5	104.5
1869.....	115.7	116.7	102.7	98.0	107.5	120.6	104.0
1870.....	126.4	111.6	100.0	105.1	104.9	99.5	105.6
1871.....	131.8	97.9	122.5	100.8	95.2	113.3	102.8
1872.....	109.2	92.8	109.1	103.5	95.7	110.6	100.9
1873.....	120.2	113.0	117.9	104.5	109.0	104.7	108.6
1874.....	98.7	111.9	101.8	110.4	102.9	94.0	104.9
1875.....	95.2	103.1	97.7	104.3	109.1	134.3	106.9
1876.....	142.1	104.4	108.5	108.0	106.8	108.7	108.3
1877.....	138.7	102.4	98.5	100.3	104.9	95.8	108.0
1878.....	120.5	120.6	94.8	101.5	106.8	78.8	102.7

By reference to Table XIX, it will be seen, that although the male births have been in excess in each of the several divisions of the State, for much the larger number of the past sixteen years, they have not been uniformly so. In Bristol county, the female births were in excess in two of the sixteen years; in Kent county, in six years of the same; in Newport county, three years; in Providence county, towns, in only one of the sixteen; in Providence city, three of the years; in Providence county, including the city, in two; and in Washington county, in three of the sixteen years; while in the whole State, the male births, as before observed, have been in excess in every one of the years. The almost invariably large proportion of male births in

Bristol county, is quite remarkable, and especially during the last three years, in which the average of male births has been about 133 to each 100 females.

The smallest proportion of male births, during any one of the sixteen years, was in Washington county, in 1878, viz., 78.8 to each 100 females. Washington county has, however, in some years, shown a very large proportion of male births, as in 1868, 136.5 males to each 100 females, and in 1875, 134.3 males to 100 females.

#### BIRTHS: SEX AND SEASON.

In Table II, on page 4, will be found the number of births, as they occurred during the year 1878, arranged by the several months, and by the sexes. From it we ascertain the number of each of the sexes born during each quarter of the year, with their relative proportions, and also the aggregate and proportions of the same for the whole State.

The following Table will present a summary of the quarterly periods, number of births and proportion of the sexes, for the same:

	Males to each					
	Males.	Females.	100 Females.	Males.	Females.	
1. January—March .....	897.....	785.....	106.6, or.....	51.50 and 48.50 in each 100.		
2. April—June.....	778.....	787.....	98.9, or.....	49.65 and 50.35 in each 100.		
3. July—September.....	880.....	851.....	103.8, or.....	50.83 and 49.17 in each 100.		
4. October—December.....	907.....	889.....	102.0, or.....	50.50 and 49.50 in each 100.		
Year, 1878.....	8,402.....	8,312.....	102.7, or.....	50.06 and 49.94 in each 100.		

We continue the following Table from the last report, which shows the number of male children born to each 100 female children, in each quarter of each of the last thirteen years:

TABLE XX.

YEARS.	1878.	1877.	1876.	1875.	1874.	1873.	1872.	1871.	1870.	1869.	1868.	1867.	1866.
First Quarter.....	106.6	107.9	105.7	97.7	100.4	98.3	98.8	112.4	111.6	107.3	102.4	105.5	108.7
Second Quarter.....	98.9	108.1	109.2	113.8	108.2	105.9	100.5	95.0	100.8	105.1	118.8	108.9	102.9
Third Quarter.....	103.8	97.6	108.0	108.2	105.1	109.9	101.6	99.3	101.0	101.9	103.1	110.4	113.8
Fourth Quarter.....	102.0	104.2	110.4	107.9	105.9	110.4	103.4	105.0	109.2	105.6	96.2	106.5	106.6
Whole Year.. .....	102.7	108.0	108.3	106.9	104.9	108.6	100.9	102.8	105.6	104.9	104.5	107.7	108.0

The proportion of male to female children born during the year 1878, in the whole State, was more nearly equal, than during any one

of the last thirteen years, except the year 1872. As usual, there are considerable differences between the several quarters of the year, though not so great as in the larger number of years.

The number of male children born in the first quarter, however, is larger in proportion than the average of the twelve previous years, while in the second quarter, the number is not only smaller than the average of the twelve years previous, but considerably less than any other of the twelve, with the exception of 1871. For the remaining two quarters, it will be seen that the excess of male births is not large in proportion.

For the purpose of illustrating more fully the possible influence of season upon the development or causation of sex of the children born in Rhode Island, the following Table has been continued, which shows the number and sex of the children born in the State, in each quarter of the year, in the aggregate for seventeen years, from 1860 to 1876, inclusive; and also the proportion of the sexes in each quarter:

				Males to each
Seventeen Years.	Males.	Females.	100 Females.	Males. Females.
1. January—March.....	10,600.....	10,028, or.....	105.7, or.....	51.39 and 48.61 in each 100 born.
2. April—June.....	10,720.....	10,035, or.....	106.8, or.....	51.65 and 48.35 in each 100 born.
3. July—September .....	11,648.....	11,063, or.....	105.0, or.....	51.22 and 48.78 in each 100 born.
4. October—December.....	12,285.....	11,530, or.....	106.5, or.....	51.58 and 48.42 in each 100 born.
—	—	—	—	—
Whole No. of Years.....	45,253.....	42,686, or.....	106.0, or.....	51.46 and 48.54 in each 100 born.

In the report for the year 1879, the number may be extended to a period of twenty years, which may, perhaps further elucidate the question, though it is not at all probable that it will materially alter the results shown in the above tabulation.

#### BIRTHS AND SEASON.

As a question not merely of speculative curiosity, but of considerable importance, the influence of season upon human fruitfulness may properly receive some attention.

The following Table shows the total number of children, without regard to sex, born in the State of Rhode Island, (according to the returns,) in each quarter of each of the last nine years; and also the aggregate number and the percentage of the aggregate in each quarter for twenty-five years, from 1853 to 1877, inclusive :

TABLE XXI.

QUARTERS.	1878.	1877.	1876.	1875.	1874.	1873.	1872.	1871.	1870.	1853 to 1877.	
										Number.	Per cent.
January—March.....	1,622	1,399	1,524	1,546	1,485	1,389	1,348	1,332	1,183	27,417	23.72
April—June.....	1,565	1,406	1,406	1,608	1,555	1,399	1,464	1,299	1,243	27,610	23.89
July—September.....	1,731	1,674	1,668	1,668	1,682	1,583	1,663	1,475	1,327	30,215	26.15
October—December....	1,796	1,756	1,641	1,686	1,744	1,658	1,668	1,572	1,462	30,322	26.24
Whole Year.....	6,714	6,235	6,320	6,508	6,466	6,032	6,143	5,678	5,215	115,564	100.00

It will be noticed upon inspection of the above Table, that the reported occurrence of births during the year 1878 has followed the general rule for the period of twenty-six years, in the occurrence of the smaller number of these events during the first half of the year. It may be said also to be the rule for the whole period of registration. It will also be observed, that during the last nine years the numbers have almost uniformly increased regularly from the first quarter to the last. The reason, as has been suggested in previous reports, is, without question, due far more to defective registration (if not wholly) than to any influence of the season.

It has been found that in those cities and sections where the returns of births are collected semi-annually, that no such disparity of numbers of births, occurring in the earlier and later months of the year, exists, although the number still holds somewhat larger for the later months.

The collector of returns, canvassing a town in the month of January of a year succeeding that in which the births occurred, will fail to find many families in which there have been births during the first months of the previous year, for the reason that they have removed to other towns. Then, again, some parents even, from forgetfulness or heedlessness, and especially when a child dies during the first weeks or months of infancy, will fail to report to the collector when called upon. But for the later months of the year, in Rhode Island, the removal of families is very much less frequent, and the memory of heedless persons called upon in the January following has not so long a period of time to cover.

It is, however, quite possible that the circumstances of season, the modes of living, the temperature and other meteorological conditions of the colder months, may have some influence in the aptness to reproduction.

The percentages of the different quarters of the year 1878, were as follows: First quarter, 24.15; Second quarter, 23.30; Third quarter, 25.78; Fourth quarter, 26.75.

It will be seen that the percentages of the several quarters correspond very closely with the average percentages of the same quarters, for the period of twenty-five years, scarcely exceeding one-half of one per cent. in any instance.

The number and percentage of the period of twenty-five years has been continued, partly as a convenient and ample divisional period for averages, and partly on account of the percentages of 1878 making no appreciable difference in the results.

#### PARENTAGE.

By reference to Table I, page 2, in the division of births, there will be found the parentage of the children born in Rhode Island during the year 1878. It will be seen that of the whole number—6,714—there were 2,887 of American parentage, 2,848 foreign, and 979 of mixed parentage.

The following Table will show the parentage of the children born in the State, and the variations of the same from year to year, in each of the last six years, and also the number and variations occurring in three periods of five years each, from 1858 to 1872, inclusive:

TABLE XXII.

PARENTAGE.	1878.	1877.	1876.	1875.	1874.	1873.	5 years. 1868 to 1872.	5 years. 1863 to 1867.	5 years. 1858 to 1862.
American.....	2,887	2,665	2,585	2,727	2,703	2,751	12,214	9,712	10,609
Foreign.....	2,848	2,642	2,873	2,906	2,948	2,621	12,366	9,968	9,697
Amer. father and For. mother...	463	416	354	389	345	278	1,353	876	814
For. father and Amer. mother...	516	512	517	486	470	372	1,720	941	755
Parentage not stated.....	.....	.....	.....	.....	.....	.....	70	223	.....
Total.....	6,714	6,285	6,329	6,508	6,466	6,022	27,653	21,567	22,098

In order to present the comparisons in a different and, perhaps, clearer light, the following Table of percentages is subjoined:

TABLE XXIII.

PARENTAGE.	1878.	1877.	1876.	1875.	1874.	1873.	5 years. 1868 to 1872.	5 years. 1868 to 1867.	5 years. 1868 to 1862.
American.....	43.00	42.74	40.84	41.90	41.80	45.68	44.17	45.18	48.50
Foreign.....	42.82	42.88	45.40	44.65	45.59	48.52	44.72	46.87	44.38
Amer. father and For. mother...	6.35	6.67	5.59	5.98	5.34	4.62	4.89	4.07	3.72
For. father and Amer. mother...	7.83	8.21	8.17	7.47	7.27	6.18	6.22	4.88	3.45
Total.....	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

A study of the preceding Tables will show, as might reasonably be expected, that the number of births occurring among the different classes of the population, varies very considerably in the different years.

The percentage of children of purely American parentage, in proportion to the whole number of births, had gradually declined for a series of years, until in 1876, it was only 40.84; in 1877, it had risen to 42.74; and in 1878, to 43.00 in each 100.

Of the children of purely foreign parentage, the percentage has been in excess of the purely American, for a considerable number of years, with the exceptions of 1873, 1877 and 1878.

Of the class of mixed parentage, the percentage of births has steadily increased up to the year 1878, in which there was a slight decrease. The social sentiment has evidently been increasing in the direction of the breaking down of class distinctions dependent on nativity, and the slight pause during the year 1878, will doubtless be temporary.

Table XXII shows that there were, in 1878, more foreign than American fathers, and more American than foreign mothers. Inasmuch as it is conceded that foreign mothers are more prolific on American soil than native American mothers, the natural inference would be that more American wives have foreign husbands, than *vice versa*, and such will be found to be true, when the subject of marriages is taken up.

Table XXIII shows a larger percentage of children born, in 1878, of purely American than purely foreign parentage. But this is true only in the proportion to the whole number of births during the year, and not in the proportion of the births to the whole population. There being a larger American than foreign population, we should expect, all other things being equal, that there would be not only a larger number of births of American parentage, but that the percentage would be in an equal ratio with the population. Such, however, is not the fact.

By the Census of 1875, the population, according to parentage, was as follows:

American.....	134,722, or 52.17 per cent.
Foreign.....	123,517, or 47.83 per cent.

The above enumeration was in accordance with the nativity of the fathers, and for reasons stated above, slightly in favor of the foreign element. If, now, we compare the number of children born in the different classes, in 1878, with the proportion the same classes bear to the whole population, we shall find that of each 100 children born, 49.89 had American fathers, and 50.11 had foreign fathers.

In order to contrast the number and percentages of the children born in the different classes, as seen in the two preceding Tables, with the percentages according to the population, for the same number of years, the following Table is introduced:

TABLE XXIV.

CHILDREN WITH	1878.	1877.	1876.	1875.	1874.	1873.	5 years. 1868 to 1872.	5 years. 1863 to 1867.	5 years. 1858 to 1862.
American fathers.....	49.89	49.41	46.43	47.88	47.14	50.30	49.06	49.25	52.22
Foreign fathers.....	50.11	50.59	53.57	52.12	52.86	49.70	50.94	50.75	47.78
American mothers.....	50.68	50.95	49.01	49.37	49.07	51.86	50.39	49.56	51.95
Foreign mothers.....	49.32	49.05	50.99	50.63	50.98	48.14	49.61	50.44	48.05

It will be seen that the percentage of children born of American parentage, has been almost uniformly less than the proportion of the American, to the whole population, and the percentage of children born of foreign parentage, has been equally uniform in being larger than the proportion of that class to the whole population.

The proportions of the children born of the different classes of parentage, vary much more in the different sections of the State, than in the whole State, from year to year.

The towns having a population almost wholly engaged in agricultural pursuits, have an almost wholly American population, while in many of the large manufacturing towns, the population is very largely foreign.

The parentage of children born in the several towns, would, therefore, be in some near proportion to class population.

The towns which reported births of children of purely foreign parentage largely in excess of those of purely American parentage, in 1878, are as follows, with the approximate ratio of each excess, viz.: Lincoln, 350 per cent.; North Smithfield, 300 per cent.; Woon-

socket, 246 per cent.; Warren, 176 per cent.; Cumberland, 90 per cent.; and Burrillville, 57 per cent. But three other towns reported an excess of same parentage, viz.: Providence city, 1 per cent.; Cranston, 11 per cent.; and Newport city, about 3 per cent.

The following towns reported, in the whole of births of foreign parentage, only the small numbers appended to each, respectively, viz.: Barrington, 2; Middletown, 1; Charlestown, 3; Exeter, 1; Hopkinton, 4; South Kingstown, 5; Scituate, 6; Portsmouth, North Providence and Richmond, 9 each.

The following towns reported no births of foreign parentage, viz.: West Greenwich, Jamestown, Little Compton, New Shoreham and Foster.

#### COLORED CHILDREN.

The number of births of children of colored parentage, reported for the year 1878, is 172. They are always included in the general statistics of births, but having some special importance as to the survival of the race, and other questions, they have had a separate consideration. The number is larger by 4 than that of 1877. Larger by 1 than that of 1876, and larger by 16 than that of 1875.

In regard to sex, the numbers and proportions were as follows, viz.: Males, 79; females, 93; or 46.00 males and 54.00 females in each 100 births; or 85.00 males to each 100 females.

The towns reporting colored births in 1878, and the number in each, are as follows:

Bristol.....	8	East Providence.....	2	Hopkinton.....	4
East Greenwich.....	2	Johnston.....	2	North Kingstown.....	2
Warwick.....	4	Lincoln.....	1	South Kingstown.....	9
Newport City.....	27	Pawtucket.....	2	Westerly....	2
Cranston.....	2	Charlestown.....	1	Providence City. ....	104
		Total.....			172.

The towns from which no returns of births of colored children were made for the year 1878, are as follows, viz.: Barrington, Warren, Coventry, West Greenwich, Jamestown, Little Compton, Middletown, New Shoreham, Portsmouth, Tiverton, Burrillville, Cumberland, Foster, Gloucester, North Providence, North Smithfield, Scituate, Smithfield, Woonsocket, Exeter and Richmond.

#### NUMBER OF THE CHILD OF THE MOTHER.

The following Table shows the number of the child of the mother; that is, how many of the children born were reported as the first, second, third, &c., of their respective mothers. The statistics on this

subject begin with the year 1857, and the following Table includes the children reported in 1878, as well as those in the twenty-one years from 1857 to 1877, inclusive, and also the total for twenty-two years, 1857 to 1878, inclusive:

TABLE XXV.

NUMBER OF THE CHILD OF THE MOTHER.	1878.	21 years. 1857 to 1877.	22 years. 1857 to 1878.
First.....	1,462	25,806	27,268
Second.....	1,360	21,127	22,487
Third.....	1,069	16,356	17,425
Fourth.....	826	12,202	13,028
Fifth.....	589	9,096	9,685
Sixth.....	489	6,510	6,999
Seventh.....	319	4,568	4,887
Eighth.....	238	3,078	3,316
Ninth.....	136	2,064	2,200
Tenth.....	96	1,346	1,442
Eleventh.....	54	752	806
Twelfth.....	38	460	498
Thirteenth.....	18	224	242
Fourteenth.....	8	114	122
Fifteenth.....	7	68	70
Sixteenth.....	2	31	33
Seventeenth.....	1	24	25
Eighteenth.....	1	6	7
Nineteenth.....	0	5	5
Twentieth.....	0	3	3
Twenty-first.....	1	2	3
Twenty-second.....	0	2	2
Total.....	6,714	108,839	110,658

The proportion of the first children of the mother, born in Rhode Island during the year 1878, according to the returns, was 21.77 in each 100; in 1877, it was 22.93 in each 100, and in the average for twenty-one years, 1857 to 1877, inclusive, it was 24.85 in each 100.

The proportion of second children in 1878, was 20.26 in each 100; in 1877, it was 20.98, and the average for twenty-one years, as above, it was 20.35 in each 100.

The proportions of both first and second classes of number of child, are smaller for 1878 than for the average of the twenty-one previous years; that is, from 1857 to 1877, inclusive.

In nearly every year there are births, the record of which does not give the number of child of the mother; consequently, the above Table does not include all the children born and recorded during the periods named.

The following Table shows what percentage of the children born in each of the last eleven years, were the first, second, &c., children of the mothers:

TABLE XXVI.

NUMBER OF THE CHILD.	1878.	1877.	1876.	1875.	1874.	1873.	1872.	1871.	1870.	1869.	1868.
First.....	21.77	22.93	24.11	24.37	25.54	25.37	25.39	25.86	26.41	25.23	27.24
Second.....	20.26	20.98	20.63	20.80	21.09	20.80	20.86	20.78	20.40	20.84	19.83
Third.....	18.90	16.22	16.04	14.93	15.58	15.88	15.64	16.06	15.56	15.02	13.92
Fourth.....	12.32	12.09	12.00	11.78	10.97	11.35	11.52	10.79	10.33	11.30	11.65
Fifth.....	8.77	9.07	8.42	8.81	8.56	8.25	7.96	7.86	8.12	8.39	8.01
First to Fifth.....	89.02	81.29	81.20	80.69	81.69	81.55	80.87	81.35	80.82	80.78	80.65
Sixth and over.....	17.98	18.71	18.80	19.31	18.31	18.45	19.13	18.65	19.18	19.22	19.25
Total.....	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

From the above Table, it will be perceived that the percentages of first and second children of the mother, born in 1878, were the smallest on record during the last eleven years, and the percentages of the third and fourth, were the largest of any one of the same number of years. It will also be noticed, that the aggregate percentages of the classes, from the first to the fifth, inclusive, of the year 1878, is larger than any other recorded during the same period of eleven years.

## PLURALITY BIRTHS.

The statistics of the plurality births in Rhode Island, for 1878, may be found on page 6, Table III. It will be seen that there were fifty-six cases of plurality births during the year; fifty-five of twins and one of triplets—one male and two females—in Woonsocket, in the month of May, and of Irish parentage. The number of children was 113, of which 74 were males, and 39 were females. Of the 56 cases, 27 were in Providence city; 14 in the towns of Providence county; 6 in Newport county; 5 in Kent county; 3 in Washington county, and 1 in Bristol county.

The parentage of the same was as follows: Of the cases, 18 were purely American, or less than one-third; 19 were of Irish parentage;

8 of British American; 3 of English; 3 of German, and 5 of mixed parentage, of which 4 were of American fathers.

For a period of twenty-six years, viz., from 1853 to 1878, inclusive, the general statistics of births in Rhode Island are as follows:

120,691 cases of single births.....	giving 120,691 children.
1,299 cases of twin births.....	giving 2,598 children.
18 cases of triple births.....	giving 54 children.
<b>122,008 cases of child-birth.....</b>	<b>giving 123,343 children.</b>

Of the whole number of cases of child-birth (122,008) in the twenty-six years, one in 93.9 produced twins, and one in 6,781 produced triplets.

Of the whole number of children born during the same period, (123,343,) according to the statistics, one in every 47 was a twin, and one in every 2,283 was a triplet.

Of the 1,317 cases of plurality births in the twenty-six years, there were 560 in which both parents were American; 642 cases in which both parents were foreign; 107 cases in which the parentage was mixed, and 8 of which the parentage was unknown.

The whole number of children born in plurality cases during the twenty-six years, was 2,652, of whom 1,328 were males, and 1,320 were females; the sex of the remaining four was not given.

#### STILL-BORN CHILDREN.

The statistics in relation to still-born children, as stated in previous reports, are obtained from the returns of deaths, but are not numbered with, or in any way included in, the statistics of deaths of this or previous reports.

For the reason that they occupy a somewhat anomalous position in the statistics of life and death, they are given a separate consideration.

The whole number of still-born children reported in Rhode Island for the year 1878, was 248; this is 6 more than for the year 1877, and 25 more than for 1876.

The following are the numbers reported from the different larger divisions of the State:

Bristol County.....	16	Providence County, Towns.....	55
Kent County.....	9	Providence City....	139
Newport County. Towns.....	4	Washington County.....	9
Newport City.....	16	Whole State.....	<b>248</b>

There were nine towns from which no report of still-born children was received, 4 less than in 1877, and 5 less than in 1876.

*Sex.*—Of the 248 still-born children, 149 were males, and 99 were females.

*Parentage.*—Of the 248 births of this class, the parentage was divided as follows:

American parents.....	120
Foreign parents.....	101
American father and foreign mother.....	18
Foreign father and American mother.....	9
Whole number.....	248

*Color.*—The divisions of the still-born children, in respect to color, were as follows:

White.....	236	Black.....	12
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The number of colored children was 3 less than in 1877, 2 more than in 1876, and 8 less than in 1875.

Of the white still-born children, there were 9 more than in 1877, and 23 more than in 1876.

*Season.*—The number of still-born children reported in each of the several months of 1878, was as follows:

January.....	19	May.....	14	September.....	22
February.....	19	June.....	16	October.....	22
March.....	28	July.....	19	November.....	21
April.....	19	August.....	24	December.....	25
Total.....					248

#### SUMMARY OF STILL-BORN.

The following Table shows the number and sex of the still-born children, whose births were reported in Rhode Island, during the period from June 1, 1852, to December 31, 1872, and for each of the last six years:

TABLE XXVI.

SEX.	1878.	1877.	1876.	1875.	1874.	1873.	June 1, 1852, to Dec. 31, 1872.	Total.
Males.....	149	147	131	133	172	145	1,966	2,843
Females.....	99	95	92	113	105	83	1,303	1,890
Sex not stated.....							52	52
Total.....	248	242	223	246	277	228	3,321	4,785

It will be seen that the whole number of still-births reported in the State since June 1, 1852, is 4,785. Of the sex of this number, there were 2,843 males; 1,890 females, and of 52 the sex was not given. The ratio of occurrence, in regard to sex, would therefore be as follows: In each 100 children there were 60 males, and 40 females; or for every 100 females, there were 150 males.

It will be seen, also, that the proportion for the year 1878, is almost exactly the same as the average of a period of more than twenty-six years. Why there should be constantly, in every year, so large an excess of males among the still-born, is a question of difficult solution.

*Nativity of Parentage.*—This subject is again brought forward, to illustrate a change that has taken place in regard to the proportional number of still-born children, in each year, of American and foreign origin, respectively. The following quotation from the Report of 1877, will explain the point quite fully :

"It is only since 1859 that the parentage of still-born children has been recorded; from that year to 1876, inclusive, the number of still-born children reported in Rhode Island was 3,439; of American parentage, 1,511; of foreign parentage, 1,926; and of 2 the parentage was not stated. The proportions are 43.96 of American and 56.04 of foreign parentage in each 100; or 127.4 children of foreign parentage to each 100 of American parentage. To these statistics for the period of 18 years, the statistics of 1877 present a marked contrast. In this year we find the very unusual fact, that the still-born children of American parentage considerably exceed those of foreign parentage; the numbers and proportions being as follows: Whole number, 242; of American parentage, 129; of foreign parentage, 113; 53.31 of American, and 46.69 of foreign parentage in each 100; or 87.6 of foreign to each 100 of American parentage."

The circumstance alluded to, of a largely increased percentage of still-births of American parentage in 1877, has occurred again in 1878, in a still larger proportional number.

The whole number for the year was 248. Of these (the fathers representing the nationality), 138 were of American origin, and 110 of foreign origin. The proportions therefore, are 55.65 of American and 44.35 of foreign parentage, in each 100, or 125.50 still-births of American to each 100 of foreign parentage.

The following Table shows more exactly the parentage of the still-born; the first letter indicating the birth-place of the father, and the second, that of the mother; the numbers given are the statistics for 1878.

A.—American; I.—Irish; E.—English; B. A.—British American; S.—Scotch; G.—German; F.—French; P.—Portuguese; It.—Italian; D.—Dutch; Sw.—Swede.

A. and A.....	120	A. and B. A.....	3	A. and E.....	1	G. and A.....	1
I. and I.....	72	G. and G.....	2	S. and S.....	1	I. and E.....	1
A. and I.....	11	I. and A.....	2	B. A. and A.....	1	S. and E.....	1
B. A. and B. A....	9	A. and S.....	2	F. and E.....	1	F. and B. A.....	1
E. and E.....	8	S. and A.....	2	Sw. and Sw.....	1	A. and D.....	1
E. and A.....	3	E. and I.....	2	It. and It.....	1	F. and I.....	1
						Total.....	248

The above resumé shows, that of the 248 still-born children in 1878, 120 were of purely American parentage; 72 were of purely Irish parentage; 9 of purely British American; and 8 of purely English parentage. Taking the numbers according to the nativity of the fathers, it will be found that 138 were of American, and 110 of foreign parentage. Of the 110, 75 had Irish fathers; 13 had English fathers; 10 had British American fathers; 4 had Scotch fathers; 3 had German fathers; and 3 had French fathers; of Swedish and Italian fathers, each 1.

*Season of Still-births.*—The following summary will show the number of still-births that have been reported in Rhode Island, during a period of twenty-six years, from 1853 to 1878, inclusive, with the months and quarters in which they occurred:

STILL-BORN—TWENTY-SIX YEARS—1853-1878. SEASON.			
January.....	430	April.....	367
February.....	399	May.....	371
March.....	383	June.....	350
—	—	—	—
1st Quarter.....	1,212	2d Quarter.....	1,088
3d Quarter.....	1,231	4th Quarter.....	1,215

First six months, 2,300; second six months, 2,446; unknown, 39; total, 4,785.

## MARRIAGES, 1878.

The number of marriages reported in Rhode Island in 1878, was 2,324. This number is larger by 142 than in 1877. The number of marriages in each division of the State, in each month and quarter of the year 1878, may be found in Table IV, page 7.

### SEASON.

The number and percentage of the marriages in Rhode Island, in each quarter of the year 1878, may be found in the following Table, together with the aggregate number and percentage in each quarter, for the twenty-five years previous, viz., from 1853 to 1877, inclusive:

TABLE XXVIII.

YEARS.	First Quarter.	Second Quarter.	Third Quarter.	Fourth Quarter.	Whole Year.
1878..... { Number.....	517	570	558	679	2,324
1878..... { Percentage.....	22.25	24.52	24.01	29.22	100.00
25 Years. { Number.....	10,824	11,980	11,434	14,925	48,513
1853-1877.... { Percentage.....	22.31	24.60	23.60	29.49	100.00

It will be observed that the largest percentage of marriages occurred not only in the last quarter of the year 1878, but also in the percentage of the aggregate of the last quarters for the previous twenty-five years. This rule, which has prevailed so uniformly for so lengthened a term of years, has been variously accounted for. Doubtless the approach of the colder season, and the almost universal disposition to closer companionship during its continuance, aided by the increased social proclivities and warmer manifestations of sentiment and affection during the holiday season, contribute largely to the result.

It will also be observed that the smallest number of marriages, in any one of the quarterly divisions of the year, has been uniformly in

the first quarter, during the whole period of registration. Considering the ecclesiastical sentiments of a large proportion of the population in regard to the performance of the ceremony of marriage during the Lenten season, and the largely increased ratio of the previous quarter (one extreme following another), it is not at all remarkable that the percentage is so much smaller for the first quarter.

#### NATIVITY OF PERSONS MARRIED.

The following Table shows the number of marriages, according to the nativity of the parties, for each of the last eleven years, and also for the aggregate of twenty years, from 1858 to 1877, inclusive:

TABLE XXIX.

BIRTH-PLACE.	1878.	1877.	1876.	1875.	1874.	1873.	1872.	1871.	1870.	1869.	1868.	20 years, 1858-77. Total.
United States.....	1,455	1,407	1,402	1,407	1,495	1,620	1,488	1,403	1,429	1,353	1,464	25,674
Foreign Countries.....	493	496	513	614	695	702	690	625	635	676	517	10,963
Am. groom, for. bride.....	181	177	144	191	154	138	155	157	126	99	135	2,410
For. groom, Am. bride.....	195	202	194	213	197	170	204	151	172	161	169	2,750
Not stated.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	64
Total.....	2,324	2,282	2,253	2,485	2,541	2,630	2,537	2,336	2,362	2,289	2,285	41,861

The number of marriages reported by nativity in 1878, shows an increase in those of purely American birth over the two previous years, 1876-1877, and also an increase in number in the class of American groom and foreign bride for the same time.

The number of marriages among parties of purely foreign birth has almost constantly decreased, from year to year, for the last decade; the three years last past having each a less number than any one of the first three in the ten years, and is smaller for the year 1878 than for any previous year since 1865.

The reason is obvious. The proportional number of adults of strictly foreign birth, among the so called foreign population, is rapidly decreasing; diminished by lessened immigration and by death. The number of those in the periods of life in which the marriage relation is most frequently assumed, is fast diminishing from advancing age. The number of marriages of persons of purely foreign birth must, therefore, under the existing order of events, continue to decrease, while the number of those born of parents of foreign birth, but are of themselves of American birth, and rapidly attaining the mar-

riageable age, are steadily increasing, and must continue to help swell the number of marriages of native citizens.

There has been a gradual increase in the number of mixed marriages, though in a somewhat irregular manner, during the whole period of the registration of the same. It is an evidence that the caste prejudice of nationality is gradually diminishing.

In the following Table are given the percentages of American, foreign and mixed marriages in several years, and in the aggregate for the twenty years, 1858 to 1877, inclusive. By *mixed* marriages are meant those where one party was of American and the other of foreign birth:

TABLE XXX.

BIRTH PLACE.	1878.	1877.	1876.	1875.	1874.	1873.	1872.	1871.	1870.	1868.	1866.	1864.	20 yrs. Total.
United States	62.60	61.66	62.23	59.04	58.84	61.60	58.65	60.06	60.50	64.08	62.21	63.33	61.33
Fo. Countries	21.22	21.73	22.77	24.70	27.35	26.69	27.20	26.75	26.88	22.62	25.84	25.64	26.19
Mixed.....	16.18	16.61	15.00	16.26	18.81	11.71	14.15	18.19	12.62	18.30	11.95	11.03	12.48
Total.....	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

It will be observed that the number of marriages of persons of American birth, in 1878, is not only larger than in the two previous years, but that the percentage, in comparison with all others, is larger than for any year since 1868.

It will be seen, also, that the marriages of persons of foreign birth have gradually decreased in percentage as well as in number, while the marriages of those of mixed nativity have as gradually increased in percentage.

In comparison with the average of twenty years, the percentage of marriages of persons of strictly American birth is somewhat larger; the percentage of those of mixed nationality is larger by about 30 per cent., while the percentage of marriages of persons of strictly foreign nativity has decreased nearly 20 per cent.

## AGES OF PERSONS MARRIED.

The number of persons married in Rhode Island, during the year 1878, in the different periods of life, is shown in Table V, on page 8. The number of each sex, in each division of age, can also be found in the following Table:

TABLE XXXI.

	1878.													
	Under 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	Not stated.
Males.....	91	894	674	266	150	98	49	36	31	16	12	3	1	4
Females.....	527	938	449	175	109	64	25	13	8	4	5	3	4	
Total.....	618	1,832	1,123	441	259	162	74	49	39	20	17	2	4	8

The curiosities of matrimonial alliances continue to be exhibited from year to year. By reference to Table V, on the eighth page, the eccentricities of taste in regard to conjugal companionship are strikingly presented. For instance, three men between 55 and 60 years of age married women between 20 and 25; three of same age, married women between 25 and 30, and four of same age, married women between 30 and 35. But of greater singularity, are the instances of eleven women between the ages of 35 and 40, marrying men between 25 and 30; three between the ages of 40 and 45, marrying men between 25 and 30; one woman between 45 and 50, married a man between 25 and 30; one woman between 50 and 55, married a man between 30 and 35; and one woman between 60 and 65, married a man between 40 and 45.

The following Table shows the number of persons married in Rhode Island, including both sexes, in each division of ages, in each of the last thirteen years, from 1866 to 1878, inclusive:

TABLE XXXII.

YEARS.	Under 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 to 85.	Not stated.
1866.....	693	1,931	1,025	419	213	127	81	50	25	21	12	7	....	....	23
1867.....	696	1,886	1,104	416	211	148	91	48	37	18	18	5	3	1	6
1868.....	644	1,835	1,050	432	219	133	89	61	30	29	11	8	4	....	32
1869.....	642	1,814	1,051	468	227	134	79	46	35	15	11	2	3	2	49
1870.....	744	1,883	1,084	415	216	159	86	64	26	24	12	3	9	....	6
1871.....	697	1,914	1,118	392	228	115	73	56	35	32	6	7	3	....	6
1872.....	786	2,073	1,182	434	237	131	81	61	43	21	18	6	1	....	5
1873.....	762	2,177	1,156	507	253	140	87	68	35	24	12	6	6	....	27
1874.....	770	1,902	1,179	459	268	159	101	52	36	39	8	9	1	....	9
1875.....	681	2,058	1,108	475	252	150	101	60	32	29	13	4	1	....	6
1876.....	691	1,741	1,041	450	224	154	80	53	27	19	12	3	2	....	9
1877.....	691	1,745	1,118	450	244	125	92	52	46	14	15	11	2	1	9
1878.....	618	1,832	1,123	441	259	162	74	49	39	20	17	2	4	....	8

The number of persons married in 1878, under twenty years of age, was less than in any one of the preceding twelve years; of those between 20 and 25 years there were 87 more than in 1877, and 91 more than in 1876. The number is larger than in 1877, in the third, fifth, sixth, tenth, eleventh, and thirteenth divisions of age. The number between 35 and 40 is the largest, with one exception, and between 40 and 45, without exception, in the last thirteen years; and between 70 and 75 the smallest, with one exception, for the same period.

## PROPORTION OF SEX.

The following Tables will show the percentages of males and females married, in each division of ages, in each of the last nineteen years:

TABLE XXXIII.

YEARS.	Under 20.	20 to 25.	25 to 30.	30 to 40.	40 to 50.	50 & over.	Total.
1860.....	5.0	42.8	26.9	16.8	5.7	3.3	100.00
1861 .....	4.6	44.5	25.4	15.5	5.8	4.2	100.00
1862.....	4.2	37.8	27.9	18.3	5.9	5.9	100.00
1863.....	3.5	38.0	29.6	17.2	5.8	5.9	100.00
1864.....	4.3	38.8	27.8	17.9	7.4	4.3	100.00
1865.....	3.5	37.0	28.4	18.9	7.5	4.7	100.00
1866.....	5.3	40.9	27.0	16.4	6.3	4.1	100.00
1867.....	4.3	40.1	27.9	16.8	6.8	4.1	100.00
1868.....	4.1	39.9	28.2	17.1	6.1	4.6	100.00
1869.....	4.3	39.6	27.7	18.5	6.1	3.8	100.00
1870.....	4.8	40.4	28.1	16.0	6.4	4.3	100.00
1871.....	5.3	40.1	28.9	16.5	4.9	4.3	100.00
1872.....	4.3	41.3	28.2	16.6	5.2	4.4	100.00
1873.....	3.8	42.4	26.7	17.0	6.0	4.1	100.00
1874.....	4.1	40.4	27.2	17.5	6.4	4.4	100.00
1875.....	3.5	40.9	27.8	17.5	6.1	4.2	100.00
1876.....	5.1	37.5	28.6	17.9	5.6	4.3	100.00
1877.....	4.3	36.0	30.2	18.7	5.9	4.9	100.00
1878.....	3.9	38.5	29.0	18.0	6.3	4.3	100.00

MALES.

TABLE XXXIV.

YEARS.	Under 20.	20 to 25.	25 to 30.	30 to 40.	40 to 50.	50 & over.	Total.
FEMALES.	25.8	44.1	17.0	9.1	2.6	1.4	100.00
	29.6	42.0	15.2	7.8	4.1	1.3	100.00
	24.9	41.3	16.7	11.8	4.1	1.2	100.00
	24.9	42.6	16.9	9.8	4.1	1.7	100.00
	24.2	43.4	17.8	10.3	2.9	1.4	100.00
	22.6	42.3	19.1	11.0	3.5	1.5	100.00
	24.7	42.9	17.4	11.0	2.7	1.3	100.00
	25.4	40.5	19.3	10.0	3.4	1.4	100.00
	24.4	40.9	18.1	11.6	3.3	1.7	100.00
	24.1	40.5	18.7	12.1	3.4	1.2	100.00
	26.8	39.4	17.9	10.8	3.9	1.2	100.00
	24.6	41.9	19.1	10.1	3.1	1.2	100.00
	26.7	40.5	18.4	9.9	3.2	1.3	100.00
	25.3	40.8	17.5	12.0	2.7	1.7	100.00
	26.3	38.1	19.3	11.1	3.9	1.3	100.00
	23.9	42.1	16.8	11.8	4.0	1.4	100.00
	25.6	39.8	17.6	12.0	3.7	1.3	100.00
	23.4	40.4	18.8	12.1	3.6	1.7	100.00
	22.7	40.4	19.3	12.2	3.8	1.6	100.00

The great difference between the number of males and the number of females who enter the marriage state under the age of 20 years, as shown in the above Tables, will not fail to be noticed. In the year 1878, for every 4 males married under 20 years of age, there were nearly 23 females married under the same age.

In the second division, i. e. from 20 to 25 years of age, the percentages for 1878 approximate very closely, standing about 38 males to 40 females. In the third division, i. e. from 25 to 30, they again diverge, standing for the same year at about 150 males married to each 100 females. The same proportion also holds for the division of ages from 30 to 40. After 40 years of age, the percentage of males married increases to one, two, and in some years, even three hundred per cent. above that of females.

Of all the persons married during any one of the last nineteen years, there has been no year in which there were as many as six males, above 50 years of age, married in each 100 marriages; nor any year in which there were as many as two females, above the same age, married in each 100 marriages.

## COLORED MARRIAGES.

There were 80 marriages of persons of color in Rhode Island during the year 1878. They were reported from the following towns, the number in each town being set opposite the name:

Providence City.....	54	East Providence.....	1
Newport City.....	10	Lincoln.....	1
Richmond.....	8	Scituate.....	1
Pawtucket.....	2	Charlestown.....	1
East Greenwich.....	2	Hopkinton .....	1
Warwick.....	2	North Kingstown.....	1
South Kingstown.....			1

The whole number is 16 larger than in 1877, and 21 larger than in 1876. It may be of interest to see what the proportion of colored persons married in 1876, 1877 and 1878, bears each year to the whole number of colored persons in the State, and also the proportions of the same compared with the proportions which the whole number of persons married bears to the whole population of the State, for the same periods of time.

	1878.	1877.	1876.
Ratio of whole number of persons married to whole population of the State.	One in every	One in every	One in every
	55.7.....	56.6.....	57.8.....
Ratio of colored persons married to whole of colored population in the State.	39.1.....	49.0.....	58.1.....

It will be seen by the above comparisons, that the ratio of marriage to population, according to the Census of 1875, has steadily increased during the last three years, in both white and colored classes of the population, and that the increase has been much the largest in the colored population. Indeed it is doubtless true that the marriage rate of the whites, has not increased as fast as the population. A further consideration of the status of the colored population, in regard to the proportion of births, marriages and deaths, will be given in the chapter devoted to the statistics of mortality.

## D I V O R C E S , 1878 .

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The number of applications for divorce, in 1878, was 258; which was 1 more than in 1877.

The following Table shows the number of applications for divorce, and the number granted, in 1878, in each county of the State; also, the causes alleged for the applications. Full reliance cannot be placed in the causes alleged, the real causes, no doubt, being sometimes withheld:

TABLE XXXV.

COUNTIES.	Number of Applications.	Number Granted.	CAUSES ALLEGED.						
			Adultery.	Extreme Cruelty.	Wilful Desertion.	Continued Drunkenness.	Neglect to Provide Necessaries, &c.	Other Gross Misbehavior.	
Bristol.....	10	4	1	6	5	2	6	5	
Kent.....	17	11	4	...	5	2	6	...	
Newport.....	16	13	5	...	11	...	...	...	
Providence.....	198	156	31	49	116	57	150	23	
Washington.....	17	13	1	1	7	2	1	...	
Whole State.....	258	196	42	56	144	63	163	28	

The whole number of causes alleged for the divorces granted, in 1878, was 496. The largest number, 163, was for "neglect to provide necessaries," &c.; next, 144, for "wilful desertion;" 63, "for continued drunkenness;" 56, for "extreme cruelty;" and for "adultery," the number was 42, which was 10 less than for the year 1877, and 20 less than for 1876.

As some of the applications for divorce in each year are continued, and may be granted or refused in some other year, the number granted or refused will be shown more accurately by taking the aggregate of applications for several years.

The following are the numbers for the last six years:

	Applications for Divorce.	Divorces Granted.	Applications refused or continued or withdrawn.
1873.....	261.....	173.....	88.....
1874.....	276.....	242.....	34.....
1875.....	227.....	158.....	69.....
1876.....	254.....	196.....	58.....
1877.....	257.....	178.....	79.....
1878.....	258.....	196.....	62.....
5 years total.....	1,538.....	1,149.....	390.....

From the above, it appears that about 75 per cent. of all the applications were granted.

The following Table shows the number of divorces granted in each county, and in the whole State, in each of the last ten years, with the proportion of marriages to each divorce granted, in each year:

TABLE XXXVI.

YEARS.	Bristol County.		Kent County.		Newport County.		Providence County.		Washington County.		Whole State.	
	Divorces Granted.	Marriages to one Divorce.	Divorces Granted.	Marriages to one Divorce.	Divorces Granted.	Marriages to one Divorce.	Divorces Granted.	Marriages to one Divorce.	Divorces Granted.	Marriages to one Divorce.	Divorces Granted.	Marriages to one Divorce.
1869 .....	10	10.6	15	12.5	6	27.7	130	13.8	11	15.5	162	14.1
1870.....	3	27.7	18	11.8	6	26.3	152	11.3	21	9.3	200	11.8
1871.....	5	16.8	11	17.0	4	49.7	123	13.3	18	11.4	161	14.5
1872.....	8	10.2	13	15.7	8	22.9	149	12.6	22	8.9	200	12.7
1873.....	6	16.2	22	9.8	8	21.9	131	14.8	6	33.7	173	15.3
1874 .....	10	8.9	20	8.0	6	29.0	190	10.0	16	11.6	242	10.5
1875.....	2	50.0	18	8.8	7	23.4	130	14.9	11	20.5	158	15.7
1876.....	6	14.5	15	12.8	7	20.5	148	11.1	20	8.8	190	11.5
1877.....	7	12.0	9	16.3	7	26.0	134	12.4	21	9.9	178	12.8
1878.....	4	26.0	11	13.3	13	12.8	156	10.9	13	17.3	196	11.9

The number of divorces granted in 1878, was 18 larger than it was in 1877; and the proportion of marriages to divorces was decreased about eight and one-half per cent.

## D E A T H S , 1878 .

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The number of deaths reported in the State of Rhode Island during the year 1878, was 4,441. This number is less than that of 1877, by 9 only, and is larger than any previous year, with the exception of 1877.

The rate of mortality for the year, as already given on page 47, was one to every 58.10 of the population, according to the Census of 1875, or at the rate of 17.20 in each thousand.

By reference to Table XV, page 52, the difference between the previous three years can be readily seen. The percentage and death rate, are almost precisely what they were in 1877, but differ more with the smaller number of 1876, when the death rate was one decedent to every 62.7 of the population, or 15.9 in each one thousand.

It has been the practice, in previous reports, to contrast the number of deaths in the city of Providence, with those that occurred in the rest of the State, for the purpose of showing the difference in the rate of mortality, between city life under favorable circumstances, and life in villages and rural districts.

In order to bring before the eye in a more direct manner, the comparisons alluded to, the following synopsis for the years 1876, 1877 and 1878, is presented:

	Population.	Number of deaths.	One death in every	In each
1876.	Providence City.....	100,675.....	1,965.....	54.00..... 18.50
	Rest of State.....	157,564.....	2,251.....	70.00..... 14.28
	Whole State.....	258,239.....	4,116.....	62.70..... 15.90
1877.	Providence City.....	100,675.....	1,938.....	51.90..... 19.25
	Rest of State.....	157,564.....	2,512.....	62.70..... 15.94
	Whole State.....	258,239.....	4,450.....	58.30..... 17.20
1878.	Providence City.....	100,675.....	1,969.....	50.62..... 19.89
	Rest of State.....	157,564.....	2,452.....	64.26..... 15.56
	Whole State.....	258,239.....	4,441.....	58.10..... 17.20

The observation has been frequently made, that the difference in mortality between the city and State, shown by the statistics of deaths as reported from the towns, could not be relied upon as entirely correct. It is believed that many of the villages of the State have quite as insalubrious surroundings as any parts of the city of Providence; and, although it is known that in the rural districts, at least, the percentage of children, in whom the mortality is largest, is much smaller than in the city, still, the rate of mortality could scarcely show so much disparity, if the whole number of deaths outside of the city, were fully reported.

There are three towns which reported a higher death rate for 1878, than the city of Providence, viz.: Warren, Woonsocket and East Providence. Doubtless the whole number of deaths in these towns were reported.

Doubtless, also, several of those towns showing a very small death rate, report the whole number of deaths, and especially the *towns* of Newport county, with a rate of only 9.5 in each one thousand. The failure to return the whole number of deaths, occurs mainly in those towns having a large manufacturing population, among which frequent removals are almost the rule, rather than exception, and where burial permits are not required. It is very certain that there will never be anything like complete returns of deaths, until burial permits are required in every town in the State.

#### SEX OF DECEDENTS.

Of the 4,441 persons, whose deaths were returned during the year 1878, 2,161 were males, and 2,280 were females; the ratio standing at 94.78 males to each 100 females, or 48.66 males, and 51.34 females in each 100 decedents.

The following Table shows the number and proportion of males and females among the decedents, and also among the children born in Rhode Island, during the ten years, 1853 to 1862, inclusive; also in each of the sixteen years from 1863 to 1878, inclusive, and for the entire period of twenty-six years:

TABLE XXXVII.

DEATHS.	10 years, 1853-1862	10,930 males	11,269 females	or 96.9 males to 100 females.
	1863	1,621 males	1,586 females	or 102.2 males to 100 females.
	1864	1,633 males	1,727 females	or 94.5 males to 100 females.
	1865	1,686 males	1,719 females	or 98.1 males to 100 females.
	1866	1,497 males	1,473 females	or 101.6 males to 100 females.
	1867	1,442 males	1,447 females	or 99.7 males to 100 females.
	1868	1,413 males	1,499 females	or 94.3 males to 100 females.
	1869	1,696 males	1,686 females	or 100.6 males to 100 females.
	1870	1,588 males	1,650 females	or 96.2 males to 100 females.
	1871	1,621 males	1,723 females	or 94.1 males to 100 females.
	1872	2,118 males	2,129 females	or 99.4 males to 100 females.
	1873	2,166 males	2,287 females	or 95.5 males to 100 females.
	1874	2,111 males	2,118 females	or 99.7 males to 100 females.
	1875	2,108 males	2,209 females	or 95.4 males to 100 females.
	1876	1,969 males	2,147 females	or 91.7 males to 100 females.
	1877	2,182 males	2,318 females	or 92.0 males to 100 females.
	1878	2,161 males	2,280 females	or 94.8 males to 100 females.
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	26 years	39,892 males	41,217 females	or 96.8 males to 100 females.

TABLE XXXVIII.

BIRTHS.	10 years, 1853-1862	18,377 males	17,260 females	or 106.4 males to 100 females.
	1863	1,892 males	1,788 females	or 105.8 males to 100 females.
	1864	1,949 males	1,942 females	or 100.3 males to 100 females.
	1865	2,096 males	1,857 females	or 112.9 males to 100 females.
	1866	2,546 males	2,356 females	or 108.1 males to 100 females.
	1867	2,655 males	2,464 females	or 107.7 males to 100 females.
	1868	2,745 males	2,627 females	or 104.5 males to 100 females.
	1869	2,685 males	2,560 females	or 104.9 males to 100 females.
	1870	2,679 males	2,586 females	or 105.6 males to 100 females.
	1871	2,878 males	2,800 females	or 102.8 males to 100 females.
	1872	3,085 males	3,058 females	or 100.9 males to 100 females.
	1873	3,135 males	2,887 females	or 108.6 males to 100 females.
	1874	3,311 males	3,155 females	or 104.9 males to 100 females.
	1875	3,962 males	3,146 females	or 106.9 males to 100 females.
	1876	3,291 males	3,088 females	or 108.3 males to 100 females.
	1877	3,163 males	3,072 females	or 108.0 males to 100 females.
	1878	3,402 males	3,312 females	or 102.7 males to 100 females.
<hr/>				
	26 years	63,251 males	59,858 females	or 105.7 males to 100 females.

There were 29 more males, and 38 less females, among the decedents of 1878, than in the year 1877, and the proportion of males to females was greater, and thereby more nearly equal as compared with the preceding year.

Among the children born there were 239 more males, and 240 more females than in 1877, the inequality of proportion being less than in

the previous year, or in any previous year, with the exception of 1864, and 1872.

It will be noticed upon examination of the above Tables, that in the aggregate for the twenty-six years, and also in all of the separate years given, with two or three exceptions, there has been an excess of females among the decedents, and an excess of males among the children born.

A natural inference would be, that the male portion of the population must be largely in excess of the female portion, and annually increasing.

By reference to Table VII, page 14, it will be seen, however, that by the Census of 1875, the females exceeded the males in the population of the State, by 7,119. The difference must be accounted for on the supposition of a larger proportional emigration of native males from the State.

#### SEASON AND MORTALITY.

The whole number of decedents, and the sex of the same, in each month of the year 1878, and in each division of the State, may be found in Table VI, on the ninth page.

The influence of season upon mortality, may be further illustrated by the following Table, which shows the number and percentage of deaths, in each quarter of each of the last five years, and in the aggregate for the twenty-one years, from 1853 to 1873, inclusive.

TABLE XXXIX.

SEASON.	1878.		1877.		1876.		1875.		1874.		1853-1873.	
	Number.	Per cent.	Number.	Per cent.								
January—March ...	1,158	25.87	936	21.03	948	23.03	1,101	25.50	977	23.10	13,784	23.12
April—June..... .	968	21.81	958	21.53	942	22.89	912	21.13	1,045	24.71	12,656	21.23
July—September...	1,175	26.46	1,317	29.60	1,249	30.34	1,244	28.82	1,185	28.02	18,469	30.98
October—December	1,140	25.86	1,239	27.84	977	23.74	1,060	24.55	1,022	24.17	14,708	24.67
Total.... - .....	4,441	100.00	4,450	100.00	4,116	100.00	4,317	100.00	4,229	100.00	59,617	100.00

It will be observed that the percentage of mortality, in 1878, was greater than that of 1877, in the first two quarters of the year, and less in the last two quarters. It was also greater in the first quarter

of 1878, than in the first quarter of either of the previous four years, and greater than the average percentage of the same season, for the twenty-one years preceding 1874. The percentage of the third quarter for 1878, although following the rule of being larger than in any other quarter, was less than in the same quarter of any one of the previous four years, and also considerably less than the average of the same quarter for the twenty-one years preceding 1874.

The percentage of the fourth quarter, as will be seen, was less than the first, which is contrary to the general rule; and quite reverses the proportions of 1877, in which the last quarter had a very large percentage in excess of the first.

It has been usual to contrast the city of Providence, which comprises about two-fifths of the entire population of the State, with the rest of the State, in regard to the influence of season upon mortality.

The following Table will present a comparison between the city and rest of the State, in relation to the mortality of each section by seasons.

It will show the number and percentage of deaths in each quarter of the year 1878, in the city, and in the rest of the State separately; and also the percentage of deaths in each quarter of the year, in the city of Providence, for twenty-four years, from 1855 to 1878, inclusive; and in the whole State, including the city, for twenty-six years, from 1853 to 1878, inclusive:

TABLE XL.

SEASON.	1878.				1855-1878.		1853-1878.	
	Providence.		Rest of State.		Providence.		Whole State.	
	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.
January—March.....	541	27.19	617	25.16	7,519	28.89	18,904	23.28
April—June.....	423	21.28	545	22.22	6,909	21.98	17,481	21.58
July—September.....	520	26.14	655	26.71	9,353	29.76	24,639	30.37
October—December.....	505	25.39	635	25.91	7,683	24.42	20,146	24.82
Total.....	1,989	100.00	2,452	100.00	31,464	100.00	81,170	100.00

A contrast between the city of Providence and the rest of the State, in regard to *habits* and *modes* of life, does not present such marked differences as, perhaps, might be expected. The great proportional number, and near contiguity of the villages of Rhode Island, with

their facility of access, and the frequent communication of residents therein with each other, and with the city of Providence, make the entire population more homogeneous in character than that of any other State. Then the city of Newport, and several villages large enough for incorporation into cities, and a considerable number but little less in size, present all the essential conditions of city life in their sanitary relations, as well as in the customs and modes of living of the inhabitants. Under these circumstances, it would not be expected that there would be any great difference in the percentage of mortality, in the same quarters of the year, between the city of Providence and the rest of the State, in the average of a series of years.

An examination of Table XL will show that such is the fact. While there are considerable differences in some years, between the city and rest of the State, and between the city and the whole State, including the city, in the same quarters, it will be seen, that for a period of twenty-four or more years, the average percentage in the same quarters, between the city and the whole State does not in any instance reach as high as three-quarters of one per cent.

Of course the exact difference is not shown, because the death statistics of the city are merged in those of the State, but the result is sufficiently conclusive in establishing the fact that whatever difference there may be, it does not exceed one per cent. in the average of any lengthened period of time.

As before observed, for single years there may be considerable differences, as in the year 1878, in which it will be noticed that in the first quarter, the difference between the city and rest of the State was 2.03 per cent. in favor of the rest of the State, while in the remaining three quarters the difference was in favor of the city as follows:—2d quarter 0.94 per cent.; 3d quarter 0.57 per cent.; 4th quarter 0.52 per cent.

The following summary shows the order of the months in which occurred, from the largest to the smallest number of deaths in the whole State, in each of the last five years:

	1878.	1877.	1876.	1875.	1874.
1	December... 421	September.. 454	August..... 469	August..... 471	August..... 436
2	August..... 420	August..... 450	July..... 444	September.. 419	September... 386
3	July..... 410	October.... 430	December.. 348	February... 392	April..... 384
4	January.... 400	July..... 413	March..... 341	January.... 363	July..... 363
5	March .... 306	December.. 411	September.. 336	December.. 358	October.... 359
6	November.. 377	November.. 398	October.... 334	November.. 357	May..... 352
7	February.... 362	March..... 347	May..... 333	July..... 354	January.... 351
8	April..... 350	May..... 343	April..... 329	March.... 346	December.... 339
9	September .. 345	January.... 323	February... 312	October.... 345	November.... 324
10	October.... 342	April..... 310	January... 295	May..... 333	March..... 320
11	June..... 310	June..... 305	November.. 295	April..... 314	June..... 309
12	May..... 308	February... 266	June..... 281	June..... 265	February.... 306
	4,441	4,450	4,116	4,317	4,229

For the first time since 1864, in which year the summarising by order of months and highest mortality commenced, December takes first place. This bad eminence has almost invariably been held by August, and was in 1878 displaced by only a single death. The change of place, however, has not occurred solely from an increased number of deaths in December, but in a larger degree to a decreased number of deaths in August as compared with the year 1877. There was no largely increased mortality from any one disease in December 1878, with the exception of Pneumonia, but in August the decrease in the number of deaths from cholera infantum and diarrhoea was 40 per cent. less than in 1877.

It will be noticed that September, which took first position in 1877, fell to the ninth in order in 1878, the falling off in the deaths from cholera infantum and diarrhoea in that month as compared with the same in 1877, was more than 60 per cent. As usual, October, May and June, take low places.

The following summary taken from the report of the City Registrar of Providence for 1878, will show the number of deaths and the months in the order of highest occurrence of the same according to percentage in the city of Providence, in the aggregate of deaths for twenty-three years, from 1856 to 1878 inclusive:

TABLE XLI.

TWENTY-THREE YEARS. 1856-1878.	American Parentage		Foreign Parentage		Total Ameri- can and Foreign.
	Number of Deaths.		Number of Deaths.		Number of Deaths.
1. August.....	1,499	1. August.....	1,733	1. August.....	3,232
2. July.....	1,857	2. July.....	1,624	2. July.....	2,981
3. September.....	1,341	3. September....	1,460	3. September....	2,801
4. January.....	1,340	4. October....	1,303	4. December....	2,531
5. December.....	1,814	5. November....	1,218	5. January.....	2,506
6. March.....	1,276	6. December....	1,217	6. October.....	2,488
7. April.....	1,254	7. April.....	1,186	7. April.....	2,440
8. February.....	1,225	8. January.....	1,166	8. March.....	2,438
9. November.....	1,215	9. March.....	1,162	9. November....	2,433
10. October.....	1,185	10. February....	1,137	10. February....	2,362
11. May.....	1,165	11. May.....	1,081	11. May.....	2,246
12. June.....	985	12. June.....	1,030	12. June.....	2,015
Total.....	15,156	Total.....	15,317	Total.....	30,473

The above synopsis shows very clearly in the third column the order of the months in which the total deaths have occurred, from the highest to the lowest number of the same in the city for a long series of years. It does not differ materially in the order of months from a summary of the same kind for the whole State for a long period of years.

It will be noticed, however, that the two classes of parentage differ somewhat in agreement with each other, and with the monthly order of mortality in the total number of deaths.

The agreement between the two classes of parentage is complete, the one with the other for just half the months of the year. The agreement of each class of parentage with the order of total number is complete for seven months in the twelve.

The class of American parentage, in the first, second, third, seventh, ninth, eleventh and twelfth. The class of foreign parentage in the first, second, third, seventh, tenth, eleventh and twelfth.

#### PARENTAGE OF DECEDENTS.

The whole number of decedents reported in Rhode Island in 1878, was 4,441 of which 2,281 were of American parentage, and 2,160 were of foreign parentage. The parentage was reckoned according to the reported nativity of the fathers.

A general abstract of deaths by parentage in the several towns in the State will be found in Table I on pages 2 and 3.

There were no decedents of foreign parentage reported in 1878, from the following six towns, viz: West Greenwich, Jamestown, Little Compton, New Shoreham, Foster and Charlestown.

In eight towns, the number of decedents of foreign parentage were 3 or less, as follows: Barrington, Middletown, Portsmouth, Tiverton, North Providence, Exeter, South Kingstown and Richmond.

The towns in which the number of decedents of foreign parentage, exceeded those of American parentage, were as follows: Warren, Burrillville, Cumberland, Lincoln, Pawtucket, Woonsocket, and Providence city. In Cranston the numbers were equal. In Burrillville, there were twice as many of foreign parentage as of American; in Cumberland, nearly twice as many; in Lincoln, two and one-quarter times as many, and in Woonsocket nearly three times as many.

In Providence city, the decedents of foreign parentage exceeded those of American by 211, or about 123 of foreign to each 100 of American parentage.

The following Table gives the number and percentage of decedents of American and of foreign parentage, in each of the last five years,

and in the aggregate for twenty years previous to 1878, or from 1858 to 1877 inclusive:

TABLE XLII.

PARENTAGE.	1878.		1877.		1876.		1875.		1874.		1858-1877.	
	Number.	Per cent.	Number.	Per cent.								
American.....	2,281	51.36	2,279	51.21	2,150	52.24	2,466	57.12	2,282	54.10	38,580	57.60
Foreign.....	2,160	48.64	2,171	48.79	1,966	47.76	1,851	42.88	1,947	45.90	28,429	42.40
Total.....	4,441	100.00	4,450	100.00	4,116	100.00	4,317	100.00	4,229	100.00	67,009	100.00

It will not fail to be noticed upon examination of the above Table, that the difference in number and percentage between the decedents of American and foreign parentage has been steadily lessening. Previous to 1877, the percentage of decedents of foreign parentage had not *averaged* for the period of nineteen years as high as 42.00 per cent. It will now be seen that the foreign percentage has *averaged* more than 46.00 per cent. for the last five years and has nearly reached 49.00 per cent. during the years 1877 and 1878.

## AGE OF DECEDENTS.

A statement of the aggregate and average age, of all the reported decedents of each sex, in each town and county in the State in 1878, may be found in Table I, on pages 2 and 3.

It will there be seen that the average age of all the male decedents in 1878, was 29.02 years, and the average age of all the female decedents, was 31.11 years.

The average age of all the male decedents in 1877, was 29.25 years, and of female decedents, 31.56 years. The highest average age of male decedents, in any town in the State in 1878, was 62.00 years, in New Shoreham; the lowest average age of male decedents in same year, was 11.33 years, in Middletown. The highest average age of female decedents in 1878, was 83.00 years, in Jamestown, and the lowest average of females, was 7.25 years, in North Providence. The averages for single years in towns having a small population, have very little value as indicating the relative longevity of the inhabitants.

When the deaths are few in number, they may happen in the same year to be of elderly people of one sex, and of a youthful age in the

other. And in the different years the decedents may be of advanced age in both sexes in one year, and of earlier age in another year. As in Jamestown in 1878, there was one female decedent only, aged 83 years, and three male decedents whose average age was 57 years, while in the same town in 1877, the average age of male decedents was 5 years, there being but one death among the males, and the average age of female decedents in 1876, was 16 years, there being two female decedents. But when aggregated in counties, and in towns of large population the averages from year to year do not very widely differ.

In the city of Providence, the average age of male decedents, in 1878, was 24.22 years, the average age of female decedents 27.88 years. The average age of total male and female decedents in the city was 26.09 years.

There were only two towns in the State, in which the average age of the total decedents, in 1878, was less than in the city of Providence, viz: Warren, 25.50 years; North Providence, 19.07 years.

In West Greenwich, the average age was almost exactly the same as Providence city, and in Lincoln, the average age of the total decedents was not one-half of one per cent. more than in the city of Providence.

The following Table shows the average age of the decedents, in each of the larger divisions of the State, in each of the last five years, and also in the aggregate of each of four periods of five years each, comprising the twenty years from 1858 to 1877, inclusive:

TABLE XLIII.

DIVISIONS OF THE STATE.	1878.	1877.	1876.	1875.	1874.	1873-1877. 5 years.	1868-1872. 5 years.	1863-1867. 5 years.	1858-1862. 5 years.
Bristol County .....	29.08	32.19	39.53	29.90	33.09	33.61	35.12	34.78	35.56
Kent County.....	33.68	35.78	39.89	35.77	32.06	36.20	34.77	35.81	32.15
Newport County .....	39.06	43.96	39.17	45.94	48.94	40.68	40.04	38.54	35.01
Providence Co., Towns.	30.98	28.16	31.69	30.19	28.66	28.46	25.26	29.16	28.44
Providence City.....	26.09	27.74	28.41	28.57	26.90	27.19	25.45	28.50	25.78
Washington County....	42.34	43.68	43.09	37.17	40.78	41.14	39.67	30.87	34.21
Whole State.....	30.09	30.45	32.37	31.27	29.86	30.28	31.66	30.75	29.42

As will be seen by Table XLIII, the average age of the total decedents of the State, in 1878, was not only less than the average in 1877, but was less than in either of the three preceding years, and also less than the average for the previous twenty years. The difference,

however, in the average age of total decedents, in any one year with another, or with any period of years, has not exceeded the limits of these three years.

In the counties, as previously remarked, the differences, for obvious reasons, are quite considerable, although less than in most years.

#### PERCENTAGES OF DECEDENTS AT DIFFERENT AGES.

In Table VII, on pages 10 to 15, inclusive, will be found the number of deaths in 1878, in each town and each county, of each sex, and in each period of life, with the percentage of the whole number of deaths in each division, to the population of the same.

The following Table shows the percentages of decedents in each division of ages in each of the last ten years, and in the aggregate for two periods: one of ten years and seven months, from June 1st, 1852, to December 31st, 1862, inclusive; the other of ten years, from 1863 to 1872, inclusive:

TABLE XLIV.

PERIODS OF LIFE.	1878.	1877.	1876.	1875.	1874.	1873.	1872.	1871.	1870.	1869.	10 yrs. 1863- 1872.	10 yrs. 1852- 1862.
Under 1 year....	16.6	17.4	19.5	20.8	19.9	19.3	22.8	18.8	20.0	17.8	18.0	17.6
1 and under 2.....	8.1	8.1	7.4	6.8	7.8	9.2	8.0	6.1	7.2	8.1	7.8	9.8
2 and under 5....	10.3	9.5	7.0	7.0	9.4	8.1	5.5	6.7	6.2	8.8	7.9	9.6
Total under 5.....	35.0	35.0	39.9	34.6	37.1	36.6	36.3	31.6	33.4	34.7	33.7	37.0
5 and under 10...	6.2	6.2	4.2	4.0	5.7	5.3	2.7	3.3	3.3	5.7	4.6	5.0
10 and under 20...	6.1	5.4	5.2	5.5	6.0	6.9	6.5	5.5	6.6	6.9	6.2	5.8
20 and under 30...	8.8	8.9	9.1	9.6	8.7	9.1	9.9	10.2	10.3	8.8	9.7	9.5
30 and under 40...	7.6	7.5	7.7	7.9	6.9	7.8	8.5	8.4	7.9	6.8	8.1	8.7
40 and under 50...	6.4	6.6	6.9	7.7	6.8	6.5	7.3	7.5	7.1	7.4	7.2	7.5
50 and under 60...	7.6	7.2	7.5	7.4	7.0	6.4	6.7	7.6	7.3	7.9	7.3	6.7
60 and under 70...	7.9	8.8	9.3	8.6	7.8	7.6	8.2	8.9	8.5	8.1	8.3	6.9
70 and under 80...	8.8	9.5	9.8	8.4	8.1	8.3	7.7	9.8	9.1	8.1	8.4	7.3
80 and under 90...	4.8	4.0	5.2	5.0	4.7	4.5	5.4	6.0	5.7	4.7	5.4	4.6
90 and over.....	0.8	0.9	1.2	1.3	1.2	1.0	0.8	1.2	0.8	0.9	1.1	1.0
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

In Table XLIII, it was shown that the average age of the total decedents in Rhode Island, in 1878, was less than in either of the previous three years. The lessened average age in any year, is usually owing to the larger decadence of childhood and youth.

As compared with the previous year, the slightly lessened rate of mortality in 1878, was not owing to a smaller number of deaths among children of five years and under, as usual, but principally, as will be seen in Table XLIV, to an increased mortality between the ages of 10 and 20.

The results of a single year, however, or of two or three years, have little value in arriving at definite conclusions. The occurrence of one or more epidemics in one year, affecting children chiefly, and the occurrence in another year of epidemics affecting adults chiefly, or all ages alike, would make great differences in the ratio of mortality in the different periods of life, in short terms of years. But in periods of twenty years, or more, the results may be considered as reasonably conclusive.

It will be seen by the preceding Table, that the average percentage of mortality of children of five years of age and under, in Rhode Island, for a period of sixteen years, has not exceeded 36 per cent. This is a low rate as compared with the statistics of some other States, in which the rate is stated to be as high as from 40 to 42 per cent.

The different localities of the State also present marked differences in the percentage of mortality in the different divisions of age, as well as in the average age.

In the strictly rural districts, where the proportion of children to the adult population is much less than in the larger villages and cities, where the most of those in the child-bearing periods of life gravitate, the average age is not only larger for a series of years, but the percentage of mortality in the earlier years of life is relatively much smaller.

In order to show concisely the differences alluded to in the above remarks, the following representative sections of the State are presented, and the percentages of decedents, in 1878, in the different periods of life in those towns, are contrasted; and in the city of Providence a contrast of the same, between the different general classes of the population.

It is understood the percentages are the ratios of the number of decedents in each of the divisions of age, compared with the whole number of decedents, in the respective towns, and not with the population.

1878.	Under 1 year.		Under 5 years.		5 to 20.	20 to 50.	50 & over.
	Per cent.	Per cent.	Per cent.	Per cent.	Per cent.	Per cent.	Per cent.
State of Rhode Island,	Males.....	9.8.....	18.6 .....	5.8.....	10.2.....	14.6=48.7	
	Females.....	7.8.....	16.4 .....	7.0.....	12.6.....	15.8=51.3	
Total.....	16.6		35.0	12.3	22.8	29.9	
							100.0
Jamestown.....	.00.0.....	00.0	.....00.0.....	25.0.....	75.0		
New Shoreham.....	11.0.....	11.0	.....00.0.....	11.0.....	78.0		
Foster.....	.06.0.....	06.0	.....00.0.....	25.0.....	69.0		
Warren.....	10.6.....	35.8	.....20.0.....	21.0.....	23.7		
Woonsocket.....	27.5.....	41.8	.....10.8.....	23.7.....	23.7		
City of Providence,	Am. Parentage.....	8.45.....	16.44	5.60.....	8.80.....	13.88=44.72	
	For. Parentage.....	10.31.....	23.58	7.12.....	14.38.....	10.25=55.28	
Total Percentage.							
Providence.....	18.76.....	40.02	.....12.72.....	23.18.....	24.18		
							100.0

The above summary will serve to show how greatly the percentages differ in the different towns in the different divisions of age; and in the city of Providence, the difference in the percentages of the two principal classes of the population.

In the town of Jamestown it will be seen that there were no deaths in 1878, of persons under twenty years of age, and that, therefore, the percentage would necessarily be large in the later periods of life.

The difference of percentage under one year of age, varies from .00 in the town of Jamestown, to 27.5 in the town of Woonsocket.

Under five years of age the average percentage to whole number of decedents, in the whole State, was 35.0 per cent., and which was the same as in 1877; under one year of age, 16.6 per cent. or 0.8 per cent. less than in 1877.

The high death rate of 41.8 per cent. of persons under five years of age in Woonsocket, leads all others, in 1878, although less by 1.19 per cent. than in 1877. The percentage of Providence city, 40.2 per cent., is considerably larger than in 1877.

The difference between Providence and Woonsocket, in the percentage of decedents under one year of age, in 1878, is quite remarkable, that is, Woonsocket, 27.5 per cent.; Providence, 18.76 per cent., or 8.74 per cent. less.

In both towns more than one-half of all the deaths was of persons not over twenty years of age, and more than four-fifths of that proportion, of persons under five years of age. The difference in the percentages of the decedents under five years of age, of American parentage and of foreign parentage, in the city of Providence, will be noticed. This difference, 7.14 per cent., in 1878, is less than in either of the two preceding years.

Of decedents 50 years of age, and over, the percentage varies from 23.7 in Warren and Woonsocket, to 78.0 per cent. in New Shoreham.

#### COLORED DECEDENTS.

Considerable public interest has been manifested in the question, whether the colored race was self-sustaining, in regard to population, in the colder latitudes of America. A comparison of the births and deaths among this class of people, for a long series of years, in the different States, will be of value in obtaining correct conclusions.

In the State of Rhode Island there is a large proportional number of colored people, as compared with other Eastern States, and the statistics in regard to births, marriages and deaths among them, have, for obvious reasons, been reported separately for a considerable number of years.

The number of deaths among the colored population, in 1878, was 156, or four less than in 1877. They occurred in the different towns as follows:

Providence City.....	106
Newport City.....	15
South Kingstown.....	7
Bristol and } 5 each.....	10
Cranston, }	
East Greenwich.....	4
Westerly.....	3
Pawtucket and } 2 each.....	4
Warwick, }	
Barrington, Coventry, Jamestown, Lincoln, North Kingstown, } 1 each.....	7
North Providence and Tiverton, }	
Total.....	156

*Sex.*—Of the 156 colored decedents, 63 were males and 93 females.

*Season.*—These 156 deaths were in the different months, as follows:

Months.	Deaths.	Months.	Deaths.	Months.	Deaths.	Months.	Deaths.
January.....	15	April.....	17	July.....	19	October.....	16
February.....	11	May.....	9	August.....	12	November.....	8
March.....	12	June.....	9	September.....	8	December.....	20
—	—	—	—	—	—	—	—
1st Quarter.....	38	2d Quarter.....	35	3d Quarter.....	39	4th Quarter.....	44

First six months, 73; second six months, 83. Total, 156.

*Age.*—The average age of the colored decedents in Rhode Island, in 1878, was as follows:

	Providence City.	Rest of State.	Whole State.
Colored Males.....	16.83 years.....	38.21 years.....	21.66 years.....
Colored Females.....	31.07 years.....	38.46 years.....	31.97 years.....

#### SUMMARY OF COLORED POPULATION.

The number of births, marriages and deaths among the colored population of Rhode Island, in the several divisions of the State, in 1878, is given in the following Table, compared with the colored population in each division, as found by the State census of 1875:

TABLE XLV.

COUNTIES.	Colored Population, 1875.	BIRTHS, 1878.		MARRIAGES, 1878.		DEATHS, 1878.	
		Number.	To population one birth in	Number.	Of population one person married in	Number.	Of population one death in
Bristol County.....	240	8	31.1	..	..	6	41.5
Kent County.....	365	6	60.8	4	45.6	7	52.1
Newport County.....	1,021	27	37.8	10	51.0	17	60.0
Providence County, Towns.....	423	9	47.0	5	42.3	9	47.0
Providence City.....	3,487	104	33.5	54	32.3	106	32.9
Washington County.....	726	18	40.9	7	51.8	11	66.0
Whole State.....	6,271	172	36.4	80	39.2	156	40.2

In 1877, the proportions among the colored population were as follows: One birth in 37.3; one person married in 49.0; one death in 39.2.

The difference between the white and colored population, in the vital statistics of the year 1878, was as follows:

Whites..... One child born in 38.5; one person married in 56.1; one death in 58.8.  
Colored..... One child born in 36.4; one person married in 39.2; one death in 40.2.

In regard to births and marriages, the numbers are larger in proportion to the population, among the colored than among the whites; and there was also a larger proportion of deaths among the former than among the latter.

The following summary shows the number of births, marriages and deaths among the colored population of Rhode Island in each of the last eighteen years, from 1861 to 1878, inclusive:

#### COLORED POPULATION.

1861.....	97 births.....	80 marriages.....	109 deaths.....
1862.....	96 births.....	23 marriages.....	90 deaths.....
1863.....	73 births.....	68 marriages.....	104 deaths.....
1864.....	69 births.....	35 marriages.....	121 deaths.....
1865.....	87 births.....	51 marriages.....	129 deaths.....
1866.....	124 births.....	65 marriages.....	123 deaths.....
1867.....	144 births.....	61 marriages.....	105 deaths.....
1868.....	147 births.....	84 marriages.....	111 deaths.....
1869.....	136 births.....	70 marriages.....	133 deaths.....
1870.....	158 births.....	70 marriages.....	128 deaths.....
1871.....	146 births.....	64 marriages.....	116 deaths.....
1872.....	171 births.....	76 marriages.....	184 deaths.....
1873.....	163 births.....	69 marriages.....	160 deaths.....
1874.....	170 births.....	80 marriages.....	151 deaths.....
1875.....	156 births.....	76 marriages.....	160 deaths.....
1876.....	170 births.....	59 marriages.....	156 deaths.....
1877.....	168 births.....	64 marriages.....	160 deaths.....
1878.....	172 births.....	80 marriages.....	156 deaths.....
<hr/>			
Total.....	2,447 births.....	1,125 marriages.....	2,405 deaths.....

There were more births, more marriages and a less number of deaths in 1878 than in 1877; the number of births was 16 more than the number of deaths.

The circumstances favorable to the promotion of the physical health and vigor of the colored race, are believed to be, at least, quite as ample in Rhode Island, as in any other Northern or Eastern State. When we find that in a period of eighteen years, as seen in the synopsis above, the excess of births over the deaths, is only 42, and have

full knowledge of the fact, that the State is having accession annually to the number of colored people by immigration, and that accession largely in the periods of life between 20 and 40 years, and of both sexes, we must conclude, however reluctantly, that the race is not self sustaining in this latitude.

There is always a tendency to reduce the number of facts relating to the colored population, by omitting to mark all the colored persons as colored. This source of error is constant, though constant care is taken to prevent it.

## CAUSES OF DEATH, 1878.

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The statistics of the causes of death in Rhode Island, in 1878, will be found in Tables VIII, IX and X. The whole number of deaths, as previously stated, was 4,441. The number of which the cause of death was reported, was 4,231, and the number of which the cause was not stated, was 210. The number from unknown causes was 18 more than in 1877.

The following Table shows the number of deaths in 1878, in each larger division of the State, and the number and percentage in each division, of which the cause was unknown:

TABLE XLVI.

1878.	Bristol County.	Kent County.	Newport County, Towns.	Newport City.	Providence County, Towns.	Providence City.	Washington County.	Whole State.
Number of Deaths.....	193	288	76	228	1,411	1,989	261	4,441
Cause not stated.....	6	39	2	32	108	16	12	210
One in.....	32.1	74.0	88.0	7.0	18.7	124.2	21.7	21.1

The returns of deaths, and especially the returns of the *causes* of deaths, are manifestly more incomplete than any other of the vital statistics of the State. That the *cause* of death in one out of every 21 decedents in the State, should be returned as unknown, is positive evidence that there is a defect in the Registration law, as well as proof that there is neglect of duty on the part of those who should observe the law as it stands. The remedy is in the enactment of a law for the State, such as is provided by municipal ordinance in the city of Providence, that is, the requirement of burial permits, and the pre-requirement of return of death, and *cause* of death when known. There is no reason why there should not be as many deaths in Providence city from causes unknown, as in other parts of the State, when as will be seen by Table XLVI, the proportion for the whole State, including

the city, is one in every 21.1, or nearly six times larger, and for the rest of the State, excluding the city, the proportion of deaths from unknown causes is one in 12.6 or about ten to every one returned from the city. A comparison of the returns of causes of death unknown in 1878, with those of 1877, show no improvement in respect to accuracy.

The following Table will present comparisons of one year with another for a considerable period of time.

TABLE XLVII.

*Showing the proportion of Deaths reported, with cause "unknown," in each Division of the State, and in the whole State, in each of the last sixteen years, from 1863 to 1878, inclusive.*

YEARS.	Bristol County.	Kent County.	Newport County.	Providence County, Towns.	Providence City.	Washington County.	Whole State.
1863, One in.....	16.5	11.2	25.5	6.9	46.7	24.7	14.7
1864, One in.....	57.0	12.6	11.6	8.5	45.7	47.6	16.1
1865, One in.....	64.8	27.4	13.4	8.2	55.0	32.9	16.4
1866, One in .....	163.0	11.4	22.4	9.5	45.0	28.3	17.3
1867, One in.....	.....	13.6	34.5	7.4	64.0	14.3	14.8
1868, One in.....	83.2	5.0	20.3	5.2	46.2	10.1	10.1
1869, One in.....	41.2	5.8	52.8	5.3	88.6	16.1	11.3
1870, One in.....	.....	19.8	23.6	11.8	90.2	26.9	28.6
1871, One in.....	151.0	81.2	7.9	8.4	88.6	9.8	18.0
1872, One in....	18.8	5.8	10.0	6.8	72.8	9.8	11.3
1873, One in.....	.....	16.0	25.4	9.8	102.5	27.5	20.3
1874, One in.....	54.0	15.2	14.0	17.2	78.7	21.2	27.8
1875, One in.....	55.0	7.4	15.6	13.7	91.2	11.9	20.9
1876, One in.....	11.5	7.9	18.5	9.9	124.3	22.8	19.3
1877, One in .....	.....	17.7	9.7	11.9	323.0	16.0	28.2
1878, One in.....	82.1	74.0	9.0	13.7	124.2	21.7	21.1

It will be seen by the above Table, that great disparities in the number of deaths from unknown causes, are reported from year to year, from the different divisions of the State, and in the average of the whole State. For the whole State, the variation has been from 10.1 per cent., in 1868, to 27.8 per cent., in 1874.

In Bristol county, the variations have been from one in every 11.5, in 1876, to a complete return of the cause of every death in the

county, in four of the sixteen years. Bristol county is the only one in the State that has reported the cause of every death in any year.

The variations in Kent county have been very considerable, that is, from one in every 5.0, in 1868, to one in 81.2, in 1871. Newport county, including the city of Newport, has varied from one in 7.9, in 1871, to one in 52.8, in 1869.

The difference between Newport county towns, and Newport city, as shown in Table XLVI, is seemingly evidence of neglect somewhere. It is hardly probable that one in every seven deaths in Newport city, was from cause unknown.

In Providence county towns the largest proportion was in 1868, *i. e.*, one in 5.2; the smallest in 1874, *i. e.*, one in 17.2. Providence city shows a variation from one in every 45.0, in 1866, to one in 323.0, in 1877. The small percentage of reported deaths from unknown causes in the city of Providence, is conclusive evidence of the efficiency of a law properly enforced, requiring certificates of cause of death, when known, and permission for burial or removal of the dead.

In Washington county, the proportions have varied from one in 9.8, in 1871 and 1872, to one in every 47.6, in 1864.

#### PRINCIPAL CAUSES OF DEATH.

The following Table gives the number of deaths in Rhode Island, from each of thirteen principal causes, showing the order in regard to number, in each of the last three years, and also in the aggregate of deaths for twenty-three years and seven months, from June 1st, 1852, to December 31st, 1875:

TABLE XLVIII.

*Showing the order in regard to number of thirteen principal causes of death.*

1878.	1877.	1876.	June 1st, 1852, to Dec. 31st, 1875—23 yrs. 7 mos.
Whole Number....4,441	Whole Number....4,450	Whole Number....4,116	Whole Number....68,833
Consumption.....676	Consumption.....661	Consumption.....665	Consumption.....11,301
Diphtheria.....435	Diphtheria.....492	Pneumonia and Conges. of Lungs 339	Pneumonia and Conges. of Lungs 3,871
Pneumonia and Conges. of Lungs 317	Cholera Infantum. 259	Cholera Infantum. 250	Old Age.....3,709
Old Age.....222	Pneumonia and Conges. of Lungs 226	Old Age.....241	Cholera Infantum. 3,493
Cholera Infantum. 168	Old Age.....213	Heart, Diseases of. 166	Scarlatina.....3,206
Heart, Diseases of. 166	Heart, Diseases of. 182	Apoplexy and Paralysis.....165	Fevers, Typhoid, &c.....2,692
Fevers, Typhoid, &c.....150	Apoplexy and Paralysis.....181	Diphtheria.....159	Heart, Diseases of. 2,481
Accidents (all kinds).....122	Cancer (all kinds). 135	Fevers, Typhoid, &c.....126	Apoplexy and Paralysis.....2,233
Cancer (all kinds). 119	Fevers, Typhoid, &c.....134	Accidents (all kinds).....114	Dysentery.....1,975
Convulsions and Fits.....112	Accidents (all kinds).....132	Cancer (all kinds). 106	Accidents (all kinds).....2,103
Apoplexy and Paralysis.....102	Croup.....95	Croup.....102	Convulsions and Fits.....1,457
Croup.....93	Convulsions and Fits.....88	Convulsions and Fits.....89	Croup.....1,396
Scarlatina.....86	Scarlatina.....62	Scarlatina.....80	Hydrocephalus....1,054

It will be seen by the above Table, that consumption still retains its bad preëminence as a cause of death in Rhode Island, and with an increased number of victims. There were 15 more deaths from consumption in 1878 than in 1877, and 21 more than in 1876. Previous to 1875 the number had never reached 600. With the exception of consumption, no disease or cause of death has invariably held the same place in the order of greatest number, in a series of years.

The various degrees of change of place will be observed in the columns presented above.

For the first time in these Reports, diphtheria took second place, in 1877. It holds the same position, in 1878, but with a lessened number.

Pneumonia, which ranks next to consumption in the long period, takes third position in 1878. Old age follows, in 1878, as in the long period. Cholera infantum occupies a lower rank than in 1877, with a reduction of mortality of about 33. per cent. Scarlatina, which ranks fifth in the long series of years, has dropped in each of the three last years to the lowest place.

Fevers, of various forms, diseases of the heart, apoplexy and croup, have changed their respective positions from year to year, but not to any large degree.

The next Table shows the whole number, sex, parentage and ages of the decedents, and the locality and season of deaths in Rhode Island, in 1878, from sixteen of the principal causes of death.

TABLE XLIX.

*Showing the Deaths in Rhode Island, in 1878, from Sixteen Principal Causes.*

TABLE XLIX.—Continued.  
*Showing the Deaths in Rhode Island, in 1878, from Sixteen Principal Causes.*

LOCALITY.	AGES.	CAUSES.														Scarlatina.
		Accidents.	Appleyard and Paralyseis.	Breastm., of.	Cancer.	Choleræ.	Consumption.	Croup.	Diarhœa.	Diphtheria.	Dysentery.	Fever, &c.	Hooping Cough.	Old Age.	Pneumonia and Coughing.	
Bristol County.....	Under 5 years.....	32	2	168	19	72	31	267	18	5	4	52	...	115	54	
Kent County.....	5 and under 10.....	9	...	...	8	19	124	1	12	2	2	...	9	26	4	
Newport Co., Towns	10 " 15.....	7	5	...	14	2	...	33	...	16	3	...	4	10	1	
Newport City.....	15 " 20.....	4	6	1	69	...	...	3	...	27	8	...	...	14	1	
Prov. Co., Towns....	20 " 30.....	3	3	1	214	...	2	1	1	47	8	...	...	17	...	
Providence City....	30 " 40.....	7	10	8	139	...	3	2	13	18	...	...	28	...	...	
Washington Co....	40 " 50.....	14	11	15	78	...	3	3	2	11	16	...	...	20	...	
	50 " 60.....	7	41	12	31	...	56	3	1	4	12	26	...	4	42	
	60 " 70.....	10	40	13	24	...	45	3	...	4	2	36	...	73	...	
	70 " 80.....	9	53	5	14	...	29	...	6	1	9	3	35	...	145	
	80 and over.....	4	26	4	5	...	5	...	2	...	1	2	11	...	13	
	Not stated.....	1	1	1	...	...	...	...	...	...	...	...	...	...	...	
Bristol County.....	4	12	1	5	7	23	14	3	21	2	13	5	...	15	30	
Kent County.....	6	16	12	11	14	41	3	3	29	5	15	11	1	8	11	
Newport Co., Towns	3	10	2	2	1	10	...	...	3	...	5	6	...	9	3	
Newport City.....	6	11	9	6	6	21	7	2	20	...	2	9	...	23	15	
Prov. Co., Towns....	46	58	37	64	229	25	17	106	17	62	38	9	76	110	14	
Providence City....	52	66	68	48	71	305	39	28	245	11	56	83	43	61	140	
Washington Co....	5	15	2	10	5	47	5	...	11	5	14	14	1	30	28	

## REMARKS.

In the consideration of the causes of death, in 1878, in the following pages, they will be taken up in the alphabetical order in which they appear in the preceding Table.

Other causes, however, and from diseases especially, may be commented upon, in connection therewith, or separately, as they may appear to be similar in some respects, or present a high degree of fatality.

## ACCIDENTAL DEATHS.

The number of deaths from accidental causes, of all kinds, reported in Rhode Island, in 1878, was 122. This number is 10 less than in 1877, and 6 more than in 1876.

Of these 122 deaths, 11 were from burns and scalds; 44 by drowning; 13 from falls; 6 from poisoning; 7 from railroad accidents, and 41 from various accidents too numerous to specify.

Of the whole number of deaths by accidents, 89 were males, and 33 were females; 50 were of American, and 72 were of foreign, parentage.

It will be noticed how much larger the proportion of males is than that of females; that is, 73 per cent. of male decedents, to 27 per cent. of female decedents. Of parentage, 59 per cent. was of foreign, and 41 per cent. of American.

The number of deaths in each quarter of the year was as follows:

First Quarter .....	30	Second Quarter.....	30
Third Quarter.....	35	Fourth Quarter.....	27
Total .....			122

In regard to periods of life, the decedents from accidental causes, were divided as follows: Under 5 years, 32; 5 and under 10, 9; between 10 and 20, 11; between 20 and 40, 27; between 40 and 60, 21; over 60, 23; and one, age not stated.

In regard to sectional divisions of the State, 4 of the deaths from accidental causes were in Bristol county; 6 in Kent county; 9 in Newport county; 5 in Washington county, and 98 in Providence county. In Providence county, with about 72 per cent. of the whole population of the State, there was 80 per cent. of the whole number of deaths from accidents, and in Providence-city, with about 40 per cent. of the population of the State, there was about 42 per cent. of the deaths from the same causes.

The percentage of deaths from accidental causes, in 1878, in proportion to the whole number of deaths from specified causes, was 2.90; the extremes were 2.64 in Providence city, and 4.0 in Newport county, towns.

## APOPLEXY AND PARALYSIS.

There were 188 deaths from apoplexy and paralysis, reported in Rhode Island, in 1878, which were 7 more than in 1877, and 23 more than in 1876.

The following Table will give a synopsis of the several relations of these causes, for the last fourteen years:

TABLE L.

*Showing the whole number and percentage of the Deaths in the State, from Apoplexy and Paralysis combined; and also the sex and parentage of the Decedents from these causes, and the number of the same in each of the Counties from 1865 to 1878, inclusive: -*

YEARS.	Whole number of Deaths.	APOPLEXY AND PARALYSIS.										DIVISIONS OF THE STATE.					
		Number from Apoplexy and Paralysis,	Per cent.	SEX.		PARENTAGE.											
				Males.	Females.	American.	Foreign.	Bristol County.	Kent County.	Newport County.	Providence County, Towns.	Providence City.	Washington County.				
1865.....	3,405	100	2.93	52	48	81	19	9	8	14	23	38	8				
1866.......	2,970	92	3.09	46	46	80	12	8	5	17	24	29	9				
1867.....	2,880	124	4.20	50	65	101	23	9	9	18	35	49	9				
1868.....	2,912	111	3.81	56	55	86	25	9	6	19	27	46	4				
1869.....	3,382	117	3.46	55	62	92	25	12	13	18	20	48	6				
1870.....	3,238	130	4.32	68	62	105	25	14	10	10	39	52	5				
1871.....	3,344	156	4.66	73	83	113	43	10	17	15	40	61	13				
1872.......	4,247	125	2.97	62	63	96	29	17	9	10	27	52	10				
1873.....	4,403	134	3.04	59	75	109	25	9	8	17	26	57	17				
1874.....	4,229	156	3.69	84	72	120	36	14	10	16	42	59	15				
1875.....	4,317	166	3.61	79	87	133	33	7	13	17	46	75	8				
1876.....	4,116	165	4.01	79	86	130	35	13	11	13	45	68	1				
1877.....	4,450	181	4.07	87	94	123	58	10	10	16	52	74	19				
1878.....	4,441	188	4.23	104	84	145	43	12	16	21	58	66	15				
Total.....	52,343	1,945	3.60	945	982	1,514	431	153	145	216	504	774	153				

It will, perhaps, be noticed, that in calculating the percentages of the different causes of death, as found in the several Tables under the heading "Causes of Death," the computations are made on the basis

of the whole number of deaths, and not on the number of *named causes* of death. Attention may be called to the fact, however, which will explain what otherwise might be thought to be discrepancies between the percentages of the text, and the percentages of the Tables. The percentages of the text, calculated for the several divisions of the State, are based, when not otherwise stated, on the proportion to the whole number of specified causes.

The method of computation upon the basis of the whole number of deaths, was begun many years ago, with the beginning of the present forms of tabulation, and a change now would destroy the uniformity of results.

The number of deaths from apoplexy and paralysis, was larger, in 1878, than in any preceding year, and the proportion to the whole number of deaths, 4.23 per cent., has been exceeded in only three of the preceding thirteen years.

The various changes from year to year, in the numbers of the sexes, the parentages, and in the different divisions of the State, as shown in Table L, are of considerable interest. The footing up of each column of sex shows a slightly larger number of females, and a glance at the columns of parentage, will show the great difference between the two classes. While both classes have increased in a much greater ratio than the increase of population, the decedents of American parentage have been in much larger proportion, in comparison with the whole American population. Of the whole number of decedents, 1,945, in the last fourteen years, 1,514 were of American parentage, and 431 of foreign parentage, or 77.8 American, and 22.2 foreign parentage.

The mortality from apoplexy and paralysis, in 1878, in relation to season, was as follows:

First Quarter, 53 ..... Second Quarter, 46..... Third Quarter, 36..... Fourth Quarter, 48

Percentages:

First Quarter, 30.85.... Second Quarter, 24.47.... Third Quarter, 19.15.... Fourth Quarter, 25.48

TABLE LI.

*Showing the ages of Decedents from Apoplexy and Paralysis in each of the last fourteen years:*

	APOPLEXY AND PARALYSIS.	PERIODS OF LIFE.									Not stated.
		Under 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 and over.		
1865.		3	5	6	19	20	28	19	...	...	...
1866.		1	1	7	16	9	24	27	7	...	...
1867.		2	...	6	6	15	38	40	17	...	...
1868.		2	3	3	11	16	27	31	16	2	...
1869.		1	1	5	12	20	28	34	15	1	...
1870.		4	1	10	9	12	33	41	20	...	...
1871.		3	4	7	14	21	46	45	15	1	...
1872.		1	4	5	17	20	26	41	11	...	...
1873.		2	3	4	14	22	35	37	16	1	...
1874.		1	2	9	9	30	39	40	25	1	...
1875.		6	2	8	19	23	40	45	22	1	...
1876.		4	4	4	13	25	43	49	23	...	...
1877.		1	2	9	12	24	50	61	22	..	...
1878.		4	2	7	14	41	40	53	26	1	...
Total.		32	32	89	172	297	480	571	254	8	...

Apoplexy is not a disease to be often expected in the earlier periods of life. Paralysis resulting from other causes sometimes occurs, and is occasionally fatal. Hence as the two diseases are taken together in the above Table, there are some recorded cases under 20 years of age. The largest number in every year, with scarcely an exception, is between the ages of 70 and 80. Above the age of 50 years, the number of decedents from apoplexy and paralysis increases rapidly in the ratio of mortality. More than 80 per cent. of all the deaths from these causes, are of persons above 50 years of age.

#### BRAIN, DISEASES OF.

In Table XLIX, under the head of "Diseases of the Brain," are included all those reported as "Cerebral Meningitis," "Cerebritis," "Congestion," "Inflammation," and "Diseases of the Brain."

The number of decedents from these several causes, grouped under the head of "Diseases of the Brain," in 1878, was 139, which was 16

less than in 1877, and 5 less than in 1876. The proportion to the whole number of deaths from given causes, was 3.30 per cent. Of the 139 decedents, 75 were males, and 64 were females; 73 were of American parentage, and 66 of foreign parentage.

The deaths in the different seasons of the year were as follows:

First Quarter.....	34	Second Quarter.....	45
Third Quarter .....	27	Fourth Quarter.....	33
Total.....			139

In relation to the periods of life, 60 of the deaths were of children under 5 years of age, or more than 43.0 per cent. of the whole.

#### CANCER.

The number of deaths reported as having been caused by cancer, in 1878, was 119. This number is 16 less than in 1877; 13 more than in 1876, and is nearly 2.82 per cent. of the whole of the known causes of death in 1878.

As in the preceding topic the several varieties are grouped under one head.

In Tables VIII and IX, pages 16 and 21, they are reported as follows: Cancer, various, 75; of the breast, 11; of stomach, 15; of uterus, 18.

Of the whole number of decedents (119) 38 were males and 81 were females; 79 were of American, and 40 were of foreign, parentage.

The large proportional number of females, nearly 70.0 per cent., though not so large as in 1877, when it was 78.52 per cent., is still indicative of the greater liability of the female sex to this dread disease. Cancer of the breast, in females, and cancer of the uterus, constitute nearly 25.0 per cent. of the whole number.

If season has any influence on mortality from cancer, it is from extremes of heat and cold, acting upon an exhausted organism.

In 1878, the deaths from cancer, in the several seasons of the year, were as follows:

First Quarter.....	29	Second Quarter.....	22
Third Quarter.....	37	Fourth Quarter.....	31
Total.....			119

It will be seen that about 55.0 per cent. of deaths, occurred in the first and third quarters.

Of the whole number of deaths (119) from cancer, in 1878, 4 only were of persons under 30 years of age, and 27 only of persons under 50 years of age, 92 having attained the age of 50 and over.

In relation to locality, the deaths from cancer seem to be nearly evenly distributed in the several divisions of the State, in proportion to the population, the ratio being somewhat less than one to every two thousand of the inhabitants. In Newport county, in 1878, the ratio, however, was only about one in every twenty-seven hundred of the inhabitants.

#### CHILD-BIRTH.

Deaths from child-birth and concomitant diseases, have heretofore been considered in the alphabetical list of causes of death, probably not so much from the number of deaths, as from their relation to other circumstances.

The number reported in 1878, was 43; 15 of which were from the immediate effects of child-birth alone; 11 from puerpural convulsions, and 17 from puerpural fever.

Of the 15 decedents from child-birth alone, 6 were of American, and 9 were of foreign parentage; of the 11 from puerpural convulsions, 8 were of American, and 3 of foreign parentage; of the 17 from puerpural fever, 9 were of American, and 8 of foreign parentage.

Of the whole number, 23 were of American, and 20 of foreign, parentage.

In the different seasons of the year they occurred as follows:

First Quarter, 18.....Second Quarter, 9.....Third Quarter, 11.....Fourth Quarter, 10

Of the decedents, 4 were under 20 years of age, 18 between 20 and 30, 17 between 30 and 40, and the remaining 4 over 40 years of age.

#### CHOLERA INFANTUM.

The number of deaths reported in 1878, from cholera infantum, was 168, which is 91 less than in 1877, and also less than in any year since 1869. It is 223 less than in 1872, and 150 less than in 1875. The diminution is quite remarkable. The number of deaths from diarrhoea and dysentery, was also much smaller in 1878, than for several previous years.

The percentage of deaths from cholera infantum, in 1878, was 3.97, as against 6.08, in 1877.

Of the 168 decedents, 96 were males and 72 females; 73 were of American, and 95 of foreign, parentage; 122 were under the age of one year, 34 were between 1 and 2 years of age, and 12 were between 2 and 5.

In regard to season, one death was reported in January, 2 in March, 6 in June, 143, or about 85.0 per cent., in the months of July, August and September, and 16 during the rest of the year.

The distribution of deaths from cholera infantum was very unequal in the different divisions of the State. The number in Bristol county, with a population of 11,019, was 7; in Newport county, with a population of 20,887, it was also 7, so that there were nearly twice as many in proportion to the population, in Bristol county as in Newport county. The proportions have, in almost every year, been largely favorable to Newport county, although in 1876 they were largely in favor of Bristol county. In Newport county, *towns*, deaths from cholera infantum are very infrequent. But one was reported from those towns in each of the years 1877 and 1878, in a population of 7,859, by the Census of 1875. This remarkable exemption cannot be accounted for wholly on the ground of the small number of children under five years of age. Taking a whole county, Washington county shows the smallest percentage, that is, one death from cholera infantum to about each 4,000 of the population. Kent county reports one death to about each 1,850, and Providence county one to each 1,360. Providence city one to each 1,418.

In relation to the whole number of deaths from known causes, in 1878, in the different sections of the State, the proportions in the order of the highest percentage, stand as follows:

	Per cent.		Per cent.
Providence County, Towns.....	4.90	Newport City.....	3.14
Kent County.....	4.42	Bristol County.....	2.70
Providence City.....	3.60	Washington County.....	2.00
Newport County, Towns.....	1.85 per cent.		

The following Table shows the whole number of reported deaths from cholera infantum; the sex and parentage of the decedents, in each of the larger divisions of the State, in each of the last fourteen years:

TABLE LII.

YEARS.	Number of Deaths.	SEX.		PARENTAGE.		DIVISIONS OF THE STATE.					
		Males.	Females.	American.	Foreign.	Bristol County.	Kent County.	Newport County.	Providence County, Towns.	Providence City.	Washington County.
1865.....	145	63	82	61	84	17	7	14	48	50	9
1866.....	110	67	43	50	60	1	7	8	39	47	8
1867.....	117	64	53	62	55	4	3	7	45	49	9
1868.....	154	85	69	66	88	13	4	12	44	70	11
1869.....	151	81	70	79	72	6	15	6	48	65	11
1870.....	213	106	107	95	118	15	15	13	69	93	8
1871.....	172	85	87	82	90	14	12	12	59	68	13
1872.....	391	195	196	167	224	16	16	21	157	151	30
1873.....	285	148	137	165	120	17	14	16	120	99	19
1874.....	265	140	125	115	150	4	12	5	84	134	26
1875.....	318	156	162	155	163	20	16	20	108	136	18
1876.....	250	131	119	105	145	5	12	29	68	124	12
1877.....	259	139	120	96	163	12	13	9	96	122	7
1878.....	108	96	73	73	95	7	14	7	64	71	5
Total, 14 years.....	2,998	1,556	1,442	1,371	1,627	151	160	179	1,049	1,273	186

It will be seen by the above Table, that there have been 2,998 deaths from cholera infantum, reported in Rhode Island, during the last fourteen years, of which 1,556 were males, and 1,442 were females; or 108 males to each 100 females; or 51.90 males and 48.10 females in each 100.

Of the whole number of decedents, 1,371 were of American, and 1,627 of foreign, parentage; or 45.73 per cent. of American, and 54.27 per cent. of foreign; or 118.7 foreign to each 100 of American parentage.

It will be noticed that in Bristol county, and Providence city, there was a falling off from 1877 of nearly 60.0 per cent.

#### CONSUMPTION.

The number of deaths from consumption, reported in Rhode Island, in 1878, was 676; 15 more than in 1877, and 21 more than in 1876. The number is the largest ever reported in the State, but the propor-

tion to the whole number of deaths from known causes, 15.98 per cent., is smaller than the average of the last 19 years, which is 16.96 per cent.

Of the 676 decedents from consumption, the sex and parentage were as follows: In regard to sex, 296 were males, and 380 were females; the proportion standing 43.80 males, and 56.20 females, in each 100; or 128.71 females to each 100 males.

In regard to parentage, 296 were of American, and 380 of foreign, parentage; the proportions, 43.80 American, and 56.20 foreign, in each 100; or 128.71 foreign to each 100 of American parentage.

In regard to season, the largest number of deaths occurred in the second quarterly division of the year, and the smallest number in the fourth, as will be seen by the following summary:

First Quarter, 167.....Second Quarter, 186.....Third Quarter, 166.....Fourth Quarter, 157

The largest number in any one month, was 74 in May; the next largest, 65, in each of the months March and August. In a series of years, the month of May stands first in the order of greatest mortality from consumption.

The smallest number in any month, in 1878, was 42, in each of the months February and October.

No age is exempt from this great destroyer of life. Childhood has no immunity, old age is not spared. Its greatest ravages, however, are in the period of life between 20 and 40 years of age. Of the 676 decedents in 1878, 214, or about 32.0 per cent., were between the ages of 20 and 30, and 139, or about 21.0 per cent., were between 30 and 40. Thus we find about 53.0 per cent., or more than one-half of all the mortality from consumption, is of persons in these two decennial periods of life. In order to show more concisely the relation of age to mortality, the following synopsis is presented:

Ages.	No. of Deaths.
Under 10 years of age.....	27
Between 10 and 20 years.....	83
Between 20 and 30 years.....	214
Between 30 and 40 years.....	139
Between 40 and 50 years.....	78
Between 50 and 70 years.....	101
Over 70 years.....	34
Total.....	676

In regard to the distribution of mortality from consumption, in 1878, in the different sections of the State, the same remark may be

made as in the case of other diseases, that no reliable data can be obtained from the reports of a single year. In the case of consumption, however, the returns are more uniform than in most other maladies. The largest proportion to known causes of all deaths in same section, was 18.88 per cent., reported from Washington county; the smallest proportion, 11.69 per cent., from Newport county. For the whole State the ratio is 15.98 per cent.

The subject of proportions, in their different relations, will be further considered in comments on the next Table.

The following Table shows the total deaths from all reported *known causes*, with the number and percentage of deaths from consumption, in each of the larger divisions of the State, and in the whole State, in each of the last nineteen years, and in the aggregate for the whole period, from 1860 to 1878, inclusive:

TABLE LIII.—CONSUMPTION.—Number and Percentage of Known Causes.

COUNTIES.	1860.	1861.	1862.	1863.	1864.	1865.	1866.	1867.	1868.	1869.	1870.	1871.	1872.	1873.	1874.	1875.	1876.	1877.	1878.	Total 19 yrs.
<b>Bristol County.</b>																				
Total Deaths.....	146	161	119	109	168	190	162	144	129	165	146	150	184	173	159	162	148	201	187	3,003
Consumption.....	23	25	17	17	20	20	31	18	21	26	26	16	23	16	18	21	19	27	23	407
Percentage.....	15.75	15.53	14.29	15.59	11.90	10.52	19.13	12.50	16.28	15.76	17.81	10.67	12.50	9.24	11.32	12.97	12.83	13.43	12.30	13.42
<b>Kent County.</b>																				
Total Deaths.....	202	272	235	205	255	288	198	214	168	265	238	281	248	241	252	263	209	251	249	4,484
Consumption.....	41	52	51	46	46	41	41	56	38	50	46	63	33	42	32	43	28	42	41	832
Percentage.....	20.29	19.12	21.70	22.43	18.04	17.22	20.70	26.17	22.62	18.86	19.33	22.42	13	30.17	43.12	69.16	35.13	39.16	16.47	18.55
<b>Newport County.</b>																				
Total Deaths.....	279	344	274	491	372	336	342	302	289	259	271	214	262	366	221	277	280	243	265	5,687
Consumption.....	50	74	41	57	48	51	52	47	43	40	37	28	29	44	26	41	45	33	31	812
Percentage.....	17.92	21.51	14.97	11.60	12.90	15.15	15.56	14.88	15.44	13.66	10.75	11.06	12.02	11.77	14.80	16.07	18.58	11.69	14.28	
<b>Prov. Co., Towns.</b>																				
Total Deaths.....	690	688	702	807	870	890	883	902	779	912	964	989	1,331	1,389	1,217	1,230	1,110	1,391	1,308	19,152
Consumption.....	138	148	174	162	146	190	171	210	158	180	172	195	221	197	189	201	211	222	229	3,464
Percentage.....	20.00	21.51	24.78	20.07	16.78	19.19	19.36	23.28	20.29	19.74	17.84	19.72	16.73	14.18	11.42	16.34	19.01	15.96	17.51	18.09

TABLE LIII.—CONSUMPTION.—Number and Percentage of Known Causes.—Continued.

COUNTIES.	1860.	1861.	1862.	1863.	1864.	1865.	1866.	1867.	1868.	1869.	1870.	1871.	1872.	1873.	1874.	1875.	1876.	1877.	1878.	Total 19 yrs.	
<b>PROVIDENCE CITY.</b>																					
Total Deaths.....	958	1,013	884	1,188	1,253	1,189	1,013	945	1,086	1,240	1,249	1,289	1,581	1,725	1,965	1,894	1,850	1,932	1,973	26,177	
Consumption.....	217	184	191	208	197	191	200	189	214	210	238	195	242	230	270	297	284	294	305	305	4,356
Percentage.....	22.65	18.16	21.60	17.50	15.72	16.06	19.19	17.74	20.00	19.71	16.95	19.06	15.74	15.31	13.33	13.74	15.68	15.35	15.22	15.46	16.64
<b>WASHINGTON COUNTY.</b>																					
Total Deaths.....	223	247	189	190	233	255	201	187	173	241	233	222	265	292	263	284	306	240	249	249	4,493
Consumption.....	84	40	36	20	41	54	28	39	38	43	56	35	49	51	44	47	68	43	47	813	
Percentage.....	15.24	16.20	19.05	10.52	11.75	11.61	13.93	20.86	21.96	17.84	24.04	15.76	18.49	17.47	16.73	16.55	22.22	17.91	18.88	18.09	
<b>WHOLE STATE.</b>																					
Total Deaths.....	2,498	2,725	2,403	2,990	3,151	3,198	2,789	2,694	2,624	3,082	3,101	3,095	3,871	4,186	4,077	4,110	3,903	4,258	4,231	62,996	
Consumption.....	508	523	510	510	498	547	523	559	512	549	575	527	597	580	529	650	655	661	676	10,684	
Percentage.....	20.14	19.19	21.22	17.05	15.81	16.95	18.68	20.74	19.51	17.81	18.52	17.03	15.41	13.86	12.96	15.79	16.78	15.52	15.98	16.96	

TABLE LIII.—CONSUMPTION.—Number and Percentage of Known Causes.

COUNTIES.	1860.	1861.	1862.	1863.	1864.	1865.	1866.	1867.	1868.	1869.	1870.	1871.	1872.	1873.	1874.	1875.	1876.	1877.	Total 19 yrs.
<b>BRISTOL COUNTY.</b>																			
Total Deaths.....	146	161	119	109	168	190	162	144	129	165	146	160	184	173	159	162	148	201	187
Consumption.....	23	25	17	17	20	20	31	18	21	26	26	16	23	16	18	21	19	27	23
Percentage.....	15.75	15.53	14.29	15.59	11.90	10.52	19.18	12.50	16.28	15.76	17.81	10.67	12.50	9.24	11.32	12.97	12.83	13.43	12.30
<b>KENT COUNTY.</b>																			
Total Deaths.....	202	272	235	205	255	288	198	214	168	265	288	281	248	241	252	263	209	251	249
Consumption.....	41	52	51	46	46	41	41	56	38	50	46	63	33	42	32	43	28	42	41
Percentage.....	20.29	19.12	21.70	22.43	18.04	17.22	20.70	26.17	22.62	18.86	19.33	22.42	18	30	17.43	12.69	16.35	13.39	16.47
<b>NEWPORT COUNTY.</b>																			
Total Deaths.....	279	344	274	491	372	386	342	302	289	259	271	214	262	366	221	277	280	243	265
Consumption.....	50	74	41	57	48	51	52	47	43	40	37	23	29	44	26	41	45	33	31
Percentage.....	17.92	21.51	14.97	11.60	12.90	15.15	15.18	15.56	14.88	15.44	13.66	10.75	11.06	12.02	11.77	14.80	16.07	13.58	11.69
<b>PROV. CO., TOWNS.</b>																			
Total Deaths.....	690	688	702	807	870	990	883	902	779	912	964	989	1,331	1,389	1,217	1,230	1,110	1,391	1,308
Consumption.....	188	148	174	162	146	190	171	210	158	180	172	195	221	197	139	201	211	222	229
Percentage.....	20.00	21.51	24.78	20.07	16.78	19.19	19.36	23.28	20.29	19.74	17.84	19.72	16.78	14.11	16.42	16.34	19.01	15.96	17.51

TABLE LIII.—CONSUMPTION.—Number and Percentage of Known Causes.—Continued.

COUNTIES.	1860.	1861.	1862.	1863.	1864.	1865.	1866.	1867.	1868.	1869.	1870.	1871.	1872.	1873.	1874.	1875.	1876.	1877.	1878.	Total 19 yrs.	
<b>PROVIDENCE CITY.</b>																					
Total Deaths.....	958	1,013			884	1,188	1,253	1,189	1,013	945	1,086	1,240	1,249	1,239	1,581	1,725	1,965	1,894	1,850	1,932	1,973
Consumption.....	217	184	191	208	197	191	200	189	214	210	238	195	242	230	270	297	284	294	305	305	4,356
Percentage.....	22.65	18.16	21.60	17.50	15.72	16.06	19.74	20.00	19.71	16.95	19.06	15.74	15.81	13.33	13.74	15.68	15.35	15.22	15.46	16.64	
<b>WASHINGTON COUNTY.</b>																					
Total Deaths.....	223	247	189	190	238	255	201	187	173	241	233	222	265	292	263	284	306	240	249	4,493	
Consumption.....	34	40	36	20	41	54	28	39	38	43	56	35	49	51	44	47	68	43	47	813	
Percentage.....	15.24	16.20	19.05	10.52	17.52	21.16	13.93	20.86	21.96	17.84	24.04	15.76	18.49	17.47	16.73	16.55	22.22	17.91	18.88	18.09	
<b>WHOLE STATE.</b>																					
Total Deaths.....	2,498	2,725	2,403	2,900	3,151	3,198	2,799	2,694	2,624	3,082	3,101	3,095	3,871	4,186	4,077	4,110	3,908	4,258	4,231	62,996	
Consumption.....	503	523	510	510	498	547	523	559	512	549	575	527	597	580	529	650	655	661	676	10,684	
Percentage.....	20.14	19.19	21.22	17.05	15.81	16.95	18.68	20.74	19.51	17.81	18.52	17.03	15.41	13.86	12.96	15.79	16.78	15.52	15.98	16.96	

An examination of Table LIII, will well repay the time and attention of the reader, by the interesting facts which it discloses.

It presents the only method of studying with advantage and conclusiveness, the characteristics of consumption in relation to locality, and to proportion to all known causes of death in each of the several counties, and in the whole State, in each year, and in the average of a long series of years.

It is only by the averages of a long series of years, that reliable data and definite conclusions can be established.

By the above Table, comparisons can be made in a variety of ways, which will be suggested to the reader.

In Bristol county, we see that the percentages have varied from 9.24 in 1873, to 17.81 in 1870, the percentage of 1878 being 12.30, and the mean average of nineteen years, 13.42, showing the largest exemption from this disease of any section of the State.

In Kent county, the extremes of variation were 12.69 per cent. in 1874, and 26.17 per cent. in 1867. The last is the largest percentage on record in any part of the State, and is quite remarkable. The percentage of 1878 is 16.47, and for the long period the average is 18.55.

Newport county, like Bristol, shows a noticeable comparative freedom from consumption, in proportion to whole number of deaths from all known causes.

The extremes are 10.75 per cent. in 1871, and 21.51 in 1861. It will be seen, also, that the percentages from year to year, have been slightly less uniform than in Bristol county. In 1878, the percentage was 11.69, and the mean average for the long period 14.28.

Providence county, towns, show a variation from 11.42 per cent. in 1874, to 24.78 in 1862. The percentage of 1878, was 17.51, and for the long period 18.09.

Providence city shows a smaller percentage than the county towns. The extremes were 13.33 per cent. in 1873, and 22.65 per cent. in 1860. In 1878, 15.46, and the long period average 16.64 per cent.

In Washington county, the variations were from 10.52 per cent. in 1863, to 24.04 in 1870. In 1878, 18.88 per cent., and average of the long series of years 18.09.

It will be noticed that Providence county towns, and Washington county, have the same mean average for nineteen years.

In the whole State, the difference of percentage in the different years, was from 12.96 in 1874, to 21.22 in 1862. For 1878, the percentage was 15.98, and for the long period 16.96.

It will be understood that the increased or lessened percentages, in the different years, as presented in Table LIII, do not show the actual difference in the number of deaths from consumption, but the propor-

tion to the *total deaths* from all *known causes*. For instance, there were 510 deaths from consumption in the whole State, in each of the years 1862 and 1863, but the percentages were 21.22 and 17.05, respectively. The smaller percentage of 1863 was owing to the occurrence of nearly 600 more deaths in 1863, from all diseases, than occurred in 1862. While the real number of deaths from consumption does not vary greatly one year with another, the occurrence in any year of a sweeping epidemic, or any disease in unusual numbers, attended with large fatality, would greatly reduce the percentage of mortality from consumption for that year. But taking the average percentage of a long period of years, equalizes the irregularities of single years, and affords a basis for definite conclusions.

It may be of interest to compare the whole number of deaths from consumption, in the last nineteen years, in the different divisions of the State, with the number of inhabitants of the same divisions, for the purpose of ascertaining the percentage of deaths from that cause in proportion to the population. If the population of all sections increased with equal ratio, such comparison would show the relative liability of the inhabitants of each section to the disease, with quite full accuracy. But as it is, an average of the semi-decennial enumerations may be taken, which will afford such an approximation to exactness, as to make the comparisons sufficiently correct.

It will be remembered, however, that the annexation of outlying territory to the city of Providence, during the period taken, will make a slight difference between the computed and the real percentages of Providence county and the city, and *only* a slight difference.

For the purpose indicated, the following summary has been prepared with considerable labor. The computations for 1878, are on the basis of the population by the Census of 1875.

#### CONSUMPTION—PROPORTION OF DEATHS TO POPULATION.

1878.

	Total Deaths.	To population one in every	
Bristol County.....	28.....	482 .....	or 2.08 in each 1,000
Kent County.....	41.....	496 .....	or 2.02 in each 1,000
Newport County.....	31.....	706 .....	or 1.41 in each 1,000
Providence County, Towns.....	229.....	370 .....	or 2.72 in each 1,000
Providence City.....	305.....	330 .....	or 3.03 in each 1,000
Washington County.....	47.....	427 .....	or 2.34 in each 1,000

1860-1878.

## NINETEEN YEARS, INCLUSIVE.

	Yearly average to population one in every	Yearly Average. No. of deaths.
Bristol County.....	442.....	21.4..... or 2.26 in each 1,000
Kent County.....	408.....	43.8..... or 2.48 in each 1,000
Newport County.....	492.....	42.7..... or 2.08 in each 1,000
Providence County, Towns.....	403.....	182.3..... or 2.48 in each 1,000
Providence City.....	349.....	239.0..... or 2.87 in each 1,000
Washington County.....	452.....	42.0..... or 2.21 in each 1,000

The variations between single years, and the average of a series of years, are very clearly shown in the above Tables. It will be seen that in all the divisions, except Providence city, Providence county towns, and Washington county, the percentages of 1878 were smaller than the averages of the long period. But the number of deaths in each, was but slightly diminished, if at all, and in Providence city there was the largest number ever recorded. The proportion of deaths from consumption to the whole population in the city, was, however, much smaller in 1878, than in some other previous years. In 1863, there was one death from that cause in every 244 of the population of the city, or 4.09 in each 1,000; and in 1870, the proportion was one in every 289.5, or 3.45 in each 1,000.

It will be noticed that the liability to consumption in the several divisions of the State, has prevailed in the order of largest percentage as follows, viz.: Providence city; Providence county towns, and Kent county, alike; Bristol county; Washington county, and lastly, and in liability, much the least, Newport county.

## CROUP AND DIPHTHERIA.

These two diseases, similar in many respects, have been considered together in these reports since 1858. The contrast is made for the purpose of showing their various relations, the same as with other diseases, and not from any suspicion of identity, croup being primarily, by general belief, a local disease, and diphtheria a constitutional disease.

The following Table shows the number of deaths and the sex of the decedents in Rhode Island, from croup and from diphtheria, in each of the seven years, from 1858 to 1864, inclusive:

TABLE LIV.

YEARS.	CROUP.			DIPHTHERIA.		
	Males.	Females.	Total.	Males.	Females.	Total.
1858.....	35	34	69	1	5	6
1859.....	37	21	58	10	10	20
1860.....	27	30	57	24	43	67
1861.....	32	26	58	66	74	140
1862.....	34	39	73	81	50	81
1863.....	51	46	97	73	82	155
1864 .....	48	57	105	67	98	160
Seven Years.....	204	253	517	272	357	629

There were no returns of death from diphtheria previous to the year 1858. In that year there were six deaths reported from that cause. From that time the disease rapidly rose to a prominent place in the list of causes of death. It will be noticed that the above Table gives only the *number* and *sex* of decedents from diphtheria and croup, for seven years previous to 1865.

The following Table gives the number, the sex and the *percentage*, of the decedents from croup and from diphtheria, in Rhode Island, in each of the last fourteen years, from 1865 to 1878, inclusive:

TABLE. LV.

YEARS.	CROUP.				DIPHTHERIA.			
	SEX.		PARENTAGE.		SEX.		PARENTAGE.	
	Males.	Females.	American.	Foreign.	Males.	Females.	American.	Foreign.
1865.....	94	44	50	32	62	82	41	20
1866 .....	53	26	27	32	31	64	26	28
1867.....	50	25	25	21	29	31	14	12
1868.....	30	18	17	14	16	20	8	9
1869.....	41	19	22	14	27	38	18	14
1870 .....	53	29	24	25	28	33	17	15
1871.....	72	39	33	31	41	57	23	28
1872.....	66	37	29	17	49	48	24	13
1873.....	68	30	38	35	33	45	24	10
1874.....	65	39	26	38	27	59	30	22
1875.....	96	53	43	43	53	83	17	15
1876.....	102	50	52	42	60	159	77	90
1877.....	95	48	47	34	61	492	239	259
1878.....	93	45	48	43	50	435	224	234
Totals, 14 years.....	978	497	481	411	567	1,591	782	769

During the eighteen years previous to the beginning of the year 1876, there had been reported in Rhode Island 1,205 deaths from croup, and 1,134 deaths from diphtheria. Croup had constantly, in every year, a larger mortality than diphtheria. By the above Table, we can see how marked the change during the subsequent three years. While the mortality from croup was increased nearly 0.50 per cent. annually above the average of the preceding eighteen years, that of diphtheria was increased by an average of about 575.0 per cent. annually, or within 48 of as many deaths in three years, as in the previous eighteen years, and bounding in the second year, to the second place in the list of causes of death, in the order of the greatest number. At the end of the year 1878, the whole number of deaths from croup, for the previous twenty-one years, was 1,495, and of diphtheria 2,220, a difference of 725 in the greater mortality from diphtheria.

## SEX AND PARENTAGE.

It will be noticed that the difference in the number of the sex of the decedents from croup has been less in each of the last three years, than in the largest number of previous years, and that in diphtheria the inequality of the sexes has been less during the last fourteen years than during the earlier period of its existence in the State.

For the whole period of twenty-one years, the percentage of mortality from croup, in the sexes was, in each 100, 50.90 males, and 49.10 females.

In diphtheria the percentage of mortality for the same period, in the different sexes, was 47.48 males, and 52.52 females, in each 100 decedents.

The following summary will show in a more concise form the percentage of deaths in the sexes from croup and diphtheria, and also the parentage of the same decedents in the last fourteen years.

## IN EACH 100 DECEDENTS.

1865-1878.

	Males.	Females.	Total.	American	Foreign	Total.
				Parentage.	Parentage.	
Croup.....	50.82 .....	49.18 .....	100.00 .....	42.02 .....	57.98 .....	100 00
Diphtheria.....	49.15 .....	50.85 .....	100.00 .....	51.66 .....	48.34 .....	100.00

In regard to the parentage of the decedents, it will be seen, that although the foreign population in the State is considerably less than the American, the decedents from croup are in large excess of foreign parentage, and the decedents from diphtheria are in excess of American parentage.

When we consider the numerical relations of the two classes of population, it will however be found, that there is a slight excess of *percentage* of mortality from diphtheria of foreign parentage.

## SEASON AND MORTALITY.

The influence of season in regard to mortality from croup and diphtheria, may be seen in the following Table, where they may also be compared with scarlatina, to which they bear resemblance in some respects. The Table will give the whole number of deaths in the periods named, and the average monthly and quarterly percentages of deaths, from each disease:

TABLE LVI.

MONTHS.	CROUP. 1853-1878.		DIPHTHERIA. 1858-1878.		SCARLATINA. 1853-1878.	
	Number of Deaths.	Per cent.	Number of Deaths.	Per cent.	Number of Deaths.	Per cent.
January.....	213	12.21	201	9.05	401	11.65
February.....	186	10.66	148	6.45	388	11.13
March.....	145	8.31	163	7.34	355	10.31
First Quarter.....	544	31.18	507	22.84	1,139	33.09
April.....	123	7.05	168	7.56	292	8.48
May.....	89	5.11	140	6.31	317	9.21
June.....	88	4.75	134	6.04	310	9.01
Second Quarter.....	295	16.91	442	19.91	919	26.70
July.....	57	3.26	106	4.77	208	6.02
August.....	53	3.04	129	5.81	159	4.64
September.....	112	6.42	195	8.79	156	4.53
Third Quarter.....	222	12.72	430	19.37	523	15.19
October.....	186	10.66	284	12.79	211	6.18
November.....	232	13.29	291	13.11	272	7.91
December.....	266	15.24	266	11.98	378	10.98
Fourth Quarter.....	684	39.19	841	37.88	861	25.02
Totals. ....	1,745	100.00	2,220	100.00	3,442	100.00

It will be observed that the above statistics of croup and scarlet fever are for the whole period of twenty-six years, from 1853 to 1878, inclusive, while those of diphtheria are only for the period of twenty-one years, from 1858 to 1878, inclusive, the year 1858 being the first in which deaths from diphtheria were reported.

It will be interesting to study the above Table, in relation to the season of greatest mortality, in each of the diseases placed in comparison.

For instance, in the case of croup, we see that the average percentage of a period of twenty-six years, regularly diminishes from the beginning of the year, until August, in which month we find the

minimum percentage, and then as regularly increases through the remainder of the year, the highest percentage being found in December.

In scarlatina, the percentages diminish in an almost equally uniform manner until September, in which the lowest percentage is found, and the only break in the regularity of diminution during the nine months, occurring in April. The percentages, then, with entire regularity, increase each month until January, in which is found the maximum.

In diphtheria, for the period of twenty-one years, the percentages diminish, though somewhat irregularly, from and including December, through the first half of the year, and reaching the minimum in July; then increasing quite regularly until November, in which month is found the highest percentage.

It will be noticed that diphtheria anticipates both croup and scarlatina, in the time of reaching the lowest percentage, by one month in the case of croup, and by two months in the case of scarlatina.

But aside from the similarity of the three diseases, in the diminution of mortality and of prevalence also, as the months of the warmer season advance, there are decided differences in the relative percentages of the several quarterly divisions of the year.

The following summary will present very concisely the differences in the percentages of mortality, from the different diseases, in each of the quarterly periods, as above computed, and by other modes of comparison. It will be kept in mind that the percentages of diphtheria are for a period of five years less than either of the others, but it is hardly probable that a more extended period would materially change the results, as to its own percentage of mortality in the different seasons:

Percentages.	First Quarter.	Second Quarter.	Third Quarter.	Fourth Quarter.	First 4 mos.	Second 4 mos.	Third 4 mos.	First 6 mos.	Second 6 mos.
Croup.....	31.18.....	16.91.....	12.72.....	39.19	38.22.....	16.16.....	45.62	48.08.....	51.92
Diphtheria.....	22.84	19.91.....	19.87.....	37.88	30.40.....	22.94.....	46.66	42.75.....	57.25
Scarlatina.....	33.09	26.70.....	15.19.....	25.02	41.28.....	29.17.....	29.55	59.79.....	40.21

These contrasts show very decidedly the variations of the three diseases, in the ratio of mortality, in the different seasons of the year. It will be noticed that in croup and diphtheria, the largest mortality is in the last third and last half of the year, and in scarlatina the reverse is the rule, the greater number of deaths occurring in the first third and first half of the year, or more than 0.41 per cent. in the first third, and nearly 0.60 per cent. in the first half of the year.

Diphtheria prevailed much more largely than ever before known, as an epidemic, in Providence city, and in some of the towns in Provi-

dence county and Kent county, in the years 1877 and 1878. It was also more or less prevalent, during the same time, in all parts of the State.

It may be of interest to contrast the number and percentage of mortality, from diphtheria, in the different divisions of the State, for the years 1877 and 1878.

#### DIPHTHERIA.

##### 1877-1878.

	Deaths from <i>known causes.</i>	1877.	1878.	Deaths from Diphtheria.	1877.	1878.	Per cent.
Bristol County.....	201....	187....	.....	12....	21....	.....	5.97...11.23
Kent County.....	251....	249.....	.....	44....	20.....	.....	17.53...11.64
Towns, Newport County.....	75....	74.....	.....	—.....	3.....	.....	4.05
Newport City.....	168....	191.....	.....	2....	20.....	.....	1.19...10.47
Towns, Providence County..	1,391....	1,308.....	.....	122....	106.....	.....	8.77...8.11
Providence City.....	1,982....	1,973.....	.....	295....	245.....	.....	15.27...12.42
Washington County.....	240....	249.....	.....	17....	11.....	.....	7.08...4.42
Whole State.....	4,258....	4,231.....	.....	492....	485.....	.....	11.56...10.28

It will be seen that in Newport city and county towns, and in Bristol county, diphtheria prevailed more largely, or at least the mortality was greater, in 1878, than in 1877. In all the other divisions the mortality was less. In the whole State, the mortality was about one and one-quarter per cent. less in 1878 than in 1877.

The following Table will show the statistics of scarlatina for each of the last twenty-four years, from 1855 to 1878, inclusive, the whole number of deaths in the State, the number, and percentage and sex of the decedents from scarlatina, and the number from scarlatina in each division of the State. It also shows, from 1865 to 1878, inclusive, the parentage of the decedents from scarlatina:

TABLE LVII.

YEARS.	Whole Number of Deaths.	SCARLATINA.										
		Scarlatina.	SEX.		PARENTAGE.		DIVISIONS OF THE STATE.					
			Males.	Females.	American.	Foreign.	Bristol County.	Kent County.	Newport County.	Providence County, Towns.	Providence City.	Washington County.
1855....	1,846	71	3.8	41	30	.....	.....	12	.....	1	6	42
1856....	2,042	208	10.2	100	99	.....	.....	3	1	3	57	144
1857....	2,825	147	6.3	69	78	.....	.....	.....	20	47	47	32
1858....	2,616	234	8.9	118	116	.....	.....	5	11	75	61	72
1859....	2,270	71	3.1	34	37	.....	.....	5	2	4	14	45
1860....	2,686	64	2.4	31	33	.....	.....	4	3	7	17	16
1861....	2,927	57	1.9	34	33	.....	.....	3	2	7	9	28
1862....	2,591	47	1.8	25	22	.....	.....	3	4	3	19	14
1863....	3,207	91	2.8	40	51	.....	.....	1	.....	23	24	38
1864....	3,360	266	8.0	120	146	.....	.....	1	19	19	80	141
1865....	3,405	255	7.5	130	125	134	121	33	17	3	86	108
1866....	2,970	28	0.9	15	13	12	16	5	.....	8	12	3
1867....	2,889	14	0.5	6	8	10	4	1	.....	1	2	10
1868....	2,912	93	3.2	47	46	32	61	2	3	3	34	50
1869....	3,382	286	8.4	126	160	128	158	17	23	12	72	188
1870....	3,238	75	2.3	37	38	28	47	1	6	3	22	35
1871....	3,344	66	1.9	41	25	31	35	1	3	1	37	21
1872....	4,247	53	1.2	22	31	22	31	.....	1	4	27	19
1873....	4,403	287	6.5	124	163	163	124	4	2	42	80	132
1874....	4,229	462	10.9	231	231	176	286	27	17	1	183	268
1875....	4,317	185	4.3	85	100	121	64	8	30	3	35	94
1876....	4,116	80	1.9	34	46	42	38	3	2	7	21	35
1877....	4,450	62	1.4	26	36	29	33	14	4	3	21	12
1878....	4,441	86	1.9	41	45	35	51	3	5	3	14	57
Totals, 24 years..	78,213	3,288	4.2	1,576	1,712	963	1,069	165	175	283	920	1,550
												195

## DISEASES OF THE HEART.

The number of deaths reported in Rhode Island, in 1878, from diseases of the heart, was 166. This is the same number reported in 1876, and 16 less than in 1877. The percentage of diseases of the heart in relation to the whole number of deaths is 3.73, and to the whole number of given causes 3.92.

The following Table shows, for each of the fourteen years, 1865 to 1878, inclusive, the whole number of deaths in the State, the number and percentage from diseases of the heart, the sex and parentage of the decedents from diseases of the heart, and the number in each division of the State:

TABLE LVIII.

YEARS.	Whole number of Deaths. Diseases of the Heart.	DISEASES OF THE HEART.											
		SEX.		PARENTAGE.		DIVISIONS OF THE STATE.							
		Males.	Females.	American.	Foreign.	Bristol County.	Kent County.	Newport County.	Providence County, Towns.	Providence City.	Washington County.		
1865.....	3,405	98	2.88	51	47	65	33	6	5	8	27	47	5
1866....	2,970	115	3.87	58	57	90	25		8	10	41	40	9
1867.....	2,889	114	3.94	67	47	81	33	4	9	7	37	49	8
1868.....	2,912	116	3.96	58	58	79	37	5		12	35	52	4
1869.....	3,882	128	3.78	75	53	79	49	2	18	11	36	62	4
1870.....	3,238	117	3.61	77	40	77	40	4	10	8	35	59	1
1871.....	3,344	144	4.30	78	66	91	53	4	7	8	42	77	6
1872....	4,247	189	4.45	104	85	119	70	5	9	10	59	98	13
1873.....	4,408	189	4.29	83	106	122	67	4	11	14	48	101	11
1874.....	4,229	214	5.06	109	105	150	64	6	6	28	50	106	18
1875.....	4,317	186	4.31	84	102	113	73	2	18	22	49	88	12
1876.....	4,116	166	4.03	96	80	109	57	9	11	10	38	86	12
1877.....	4,450	182	4.09	94	88	110	72	3	7	9	57	93	13
1878.....	4,441	166	3.73	88	78	109	57	5	11	15	38	88	14
Total.....	52,343	2,124	3.91	1,112	1,012	1,394	730	68	128	162	592	1,036	180

The statistics of diseases of the heart in relation to sex and parentage, present some interesting facts, not anticipated by the average individual. Of the 2,124 decedents from this cause, in the last fourteen years, 1,112 were males, and 1,012 were females; or 52.36 males, and 47.64 females in each 100; or 109.8 males to each 100 females.

The greatest and most unexpected difference in relation to diseases of the heart, is found in parentage. Of the whole number of decedents stated, 1,394 were of American, and 730 were of foreign, parentage; or 65.63 per cent. of American, and 34.37 per cent. of foreign parentage, in each 100 decedents. The proportion of about 191 of American to each 100 of foreign parentage, in the decedents from this cause, is quite worthy of note.

The following Table shows the number of decedents from diseases of the heart, in each divisional period of life, in each of the last fourteen years:

TABLE LIX.

YEARS.	Under 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 and over.	Not stated.
	14	4	6	7	22	17	19	9	
1865.....	14	4	6	7	22	17	19	9	....
1866.....	18	8	14	17	10	23	21	4	....
1867.....	11	11	10	13	22	16	27	4	....
1868.....	15	5	13	11	14	28	25	5	....
1869.....	21	4	14	18	20	22	21	7	1
1870.....	19	6	11	13	20	21	23	3	1
1871.....	9	12	10	19	23	36	28	6	1
1872.....	27	13	22	19	31	36	39	13	....
1873.....	19	11	28	18	25	35	42	9	2
1874.....	20	16	26	21	27	50	40	12	2
1875.....	14	16	25	20	32	29	41	9	....
1876.....	14	10	15	19	20	38	39	10	1
1877.....	15	11	20	18	27	45	33	13	....
1878.....	16	8	18	16	26	36	35	11	....
Total, 14 years.....	283	184	232	229	319	432	423	115	8

## PNEUMONIA AND CONGESTION OF THE LUNGS.

The following Table shows, for each of the last fourteen years, the whole number of deaths reported in Rhode Island, the number and the percentage, with the sex and the parentage of the decedents from pneumonia and congestion of the lungs, and the number in each year, in each division of the State:

TABLE LX.

YEARS.	Whole Number of Deaths, Pneumonia, &c.	PNEUMONIA AND CONGESTION OF THE LUNGS.											
		SEX.		PARENTAGE.		DIVISIONS OF THE STATE.							
		Males.	Females.	American.	Foreign.	Bristol County.	Kent County.	Newport County.	Providence County, Towns.	Providence City.	Washington County.		
1865.....	3,405	175	5.1	80	95	110	65	8	11	21	40	74	12
1866.....	2,970	193	6.5	94	99	127	66	13	17	13	59	81	10
1867.....	2,889	172	5.9	68	104	103	69	8	12	12	56	68	16
1868.....	2,912	191	6.6	99	92	120	71	9	5	16	54	92	15
1869.....	3,382	190	5.6	104	86	110	80	7	10	10	63	88	12
1870.....	3,238	182	5.6	102	80	96	86	6	12	15	55	78	16
1871.....	3,344	218	6.5	104	114	129	89	13	21	11	68	85	21
1872.....	4,247	229	5.4	119	110	125	104	11	1	9	74	120	14
1873.....	4,403	234	5.3	127	107	143	91	11	9	10	65	123	16
1874.....	4,329	250	5.9	118	182	143	107	6	13	7	73	136	15
1875.....	4,317	400	9.3	199	201	243	157	14	27	25	105	198	31
1876.....	4,116	339	8.2	164	175	163	177	13	23	16	97	163	27
1877.....	4,450	226	5.1	104	122	127	99	10	7	14	81	98	16
1878.....	4,441	317	7.1	143	174	176	141	10	11	18	110	140	28
Total.....	52,343	3,316	6.3	1,625	1,691	1,914	1,402	138	179	197	1,009	1,544	249

The whole number of deaths from pneumonia and congestion of the lungs, reported in Rhode Island, in 1878, was 317, an increase of 91 above that of 1877, and less by 2 than that of 1876. The average of the last fourteen years, is 237. The number in 1877, *i. e.*, 226, as will be seen, was less than the average for the long period, and that too, as against the increase of population. The percentage of mortality from these causes in 1878, was 7.10, or four-fifths of one per cent. above the average 6.30, of fourteen years.

The preponderance of females, among the decedents from inflammation of the lungs in 1878, is quite unusual. The proportion is 121.7 females to each 100 males, and nearly reaches the average excess of female decedents in consumption. For the period of fourteen years, the average proportion is 104 females to each 100 males; or 51 females and 49 males in each 100 decedents from pneumonia and congestion of the lungs. The liability to attacks of acute diseases of the lungs, seems to be nearly equally divided between the sexes, the differ-

ence being in favor of the male sex, which, from the presumed greater exposure to the usual exciting causes, would be expected to suffer the most. It is possible, however, that the better physical stamina of the male sex, may result in a larger proportional number of recoveries.

In regard to parentage, the proportion of the decedents is quite unequal. Of the 3,316, whose deaths were reported during the last fourteen years, 1,914 were of American, and 1,402 were of foreign parentage; or 57.72 of American, and 42.28 of foreign, in each 100 decedents; or 136.52 of American to each 100 of foreign parentage.

The following Table shows, for each of the last fourteen years, the number of decedents in Rhode Island, from pneumonia and congestion of the lungs, in each division of ages:

TABLE LXI.

YEARS.												Not stated.
	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 and over.	
1865.....	65	4	2	....	14	11	15	17	21	21	5	....
1866.....	57	4	4	5	12	10	14	21	25	32	9	....
1867.....	57	9	2	3	10	11	13	16	25	13	12	1
1868.....	70	4	3	3	15	8	16	13	19	27	13	....
1869.....	64	11	1	2	11	12	9	28	25	16	11	....
1870.....	84	6	5	4	6	7	8	14	20	19	8	1
1871.....	71	7	2	7	10	17	16	16	35	17	19	1
1872.....	83	5	1	7	17	20	19	22	24	19	11	1
1873.....	105	4	8	3	10	14	16	17	24	23	10	....
1874.....	76	9	4	6	17	17	25	21	40	27	8	....
1875.....	120	9	3	8	22	30	35	39	61	43	28	2
1876.....	116	5	4	3	20	20	32	35	48	39	17	....
1877.....	79	2	....	7	15	15	24	27	22	24	9	2
1878.....	115	9	4	10	14	17	28	20	42	45	13	....
Total.....	1162	88	43	68	193	209	270	306	431	365	173	8

It will be observed, upon examination of Table LXI, that pneumonia and congestion of the lungs are largely most fatal in the very earliest, and in the most advanced periods of life.

Of the 3,316 decedents in the last fourteen years, more than one-third were under five years of age, and of the remainder, nearly one-half were above the age of sixty years, notwithstanding the greatly lessened number of persons liable to disease, at the advanced age of

60 and over. During fifty-five of the most active years of life, the mortality from the acute diseases of the lungs, scarcely exceeds 0.33 per cent. of the whole.

#### TYPHOID FEVER.

The number of deaths in Rhode Island, in 1878, reported under the general title of "Fevers," was 150. This is 16 more than in 1877, and 24 more than in 1876. The number includes all reported under the following specific terms: "Bilious," 2; "Gastric," 3; "Remittent," 1; "Typhoid or Typhus," 134; "Fever," 10. It is probable that nearly, if not quite all fevers occurring in Rhode Island, are essentially typhoid, the type being modified by a variety of circumstances. Of course the term is not designed to cover all febrile states, dependent on a variety of acute and chronic inflammations.

The following Table shows, for each of the last fourteen years, the whole number of deaths in the State, the number and the percentage, and the sex and the parentage of the decedents from fevers, and the number in each division of the State.

TABLE LXII.

YEARS.	TYPHOID FEVER.												
	Whole Number of Deaths.	Typhoid Fever.	Per cent.	SEX.		PARENTAGE.		DIVISIONS OF THE STATE.					
				Males.	Females.	American.	Foreign.	Bristol County.	Kent County.	Newport County.	Providence County, Towns.	Providence City.	Washington County.
1865.....	8,405	229	6.4	114	115	149	80	8	17	22	82	79	21
1866.....	2,970	150	5.0	73	77	82	68	7	5	32	54	45	7
1867.....	2,889	119	4.1	60	59	84	35	9	10	17	47	31	5
1868.....	2,912	84	2.9	45	39	57	27	4	5	7	80	23	15
1869.....	3,882	101	3.0	53	48	79	29	7	7	1	37	33	16
1870.....	3,288	153	4.7	66	87	80	73	5	11	14	57	49	17
1871.....	3,844	125	3.7	60	65	69	56	2	8	10	41	51	18
1872.....	4,247	179	4.2	87	92	91	88	4	12	6	75	65	17
1873.....	4,403	172	3.9	73	99	113	59	4	9	9	61	56	33
1874.....	4,229	117	2.8	57	60	56	61	1	10	3	37	58	8
1875.....	4,817	147	3.4	73	74	90	57	1	4	6	49	69	18
1876.....	4,116	126	3.0	65	61	71	55	5	9	13	44	33	22
1877.....	4,450	134	3.0	63	71	65	69	8	10	8	52	44	12
1878.....	4,441	150	3.4	68	82	77	73	13	15	7	62	58	14
Total.....	52,343	1,986	3.1	957	1,029	1,163	823	78	182	155	728	694	218

The proportion of deaths from typhoid fever, to the whole number, in 1878, was 3.4 per cent., which is slightly larger than the average of fourteen years, which is 3.1 per cent. Of the sex of the decedents, in 1878, 68 were males, and 82 were females; or 45.3 males, and 54.7 females in each 100; or 79.4 males to each 100 females.

For the period of fourteen years, the average proportion is 48.18 males, and 51.82 females in each 100 decedents; or 88.48 males to each 100 females.

In respect to the *parentage* of decedents, the differences in 1878 are less than in respect to sex.

The proportions are 50.13 of American, and 49.87 of foreign, parentage, in each 100 decedents. These proportions are very nearly equal, and differ very largely from the average of fourteen years, which are 58.55 of American parentage, and 41.45 of foreign parentage, in each 100; or 141.31 of American, to each 100 of foreign, parentage.

The following Table shows the number of decedents from fevers, in each division of ages, in each of the last fourteen years, in the State of Rhode Island:

TABLE LXIII.

YEARS.	PERIODS OF LIFE.										Not stated.
	Under 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 and over.	
1865.....	35	18	46	54	30	14	18	7	5	2	...
1866 .....	23	10	31	26	21	16	9	14	10	...	...
1867.....	17	6	23	33	12	11	8	4	2	2	1
1868...	10	7	10	21	8	8	10	4	5	...	...
1869.....	10	8	14	28	9	7	9	8	6	2	...
1870 .....	15	13	28	39	16	20	7	7	6	1	...
1871....	13	10	20	28	18	16	9	4	5	2	...
1872.....	17	18	34	54	20	9	12	11	3	1	...
1873.....	27	12	34	31	25	13	13	7	8	2	...
1874.....	10	14	26	32	9	5	10	3	6	2	...
1875...	23	14	19	43	18	10	10	6	4	...	...
1876.....	21	10	15	24	14	9	6	16	6	3	2
1877.....	22	13	13	36	20	8	5	7	2	2	1
1878.....	17	16	27	47	13	11	12	2	3	2	...
Total, 14 years.....					157	138	100	71	21	4	

It was remarked on a previous page, that the mortality from pneumonia and congestion of the lungs, was greatest in the very earliest, and in the most advanced periods of life. It is now seen that typhoid fever is more a disease of the middle periods of life, or that, at least, the mortality is greatest between the ages of 15 and 40; more than one-half of the whole number of deaths from typhoid fever, occurring in that more active part of life.

## COMPARATIVE RESULTS.

The following Table shows the percentage of total mortality from several prominent causes, as reported in 1878, in the whole State, and in the several counties of the State; and also the percentages of the same causes in the whole State, in 1876 and 1877:

TABLE LXIV.

CAUSES OF DEATH.	Whole State, 1878.	Bristol County.	Kent County.	Newport County, Towns, Newport City.	Providence County, Towns, Providence City.	Washington County.	Whole State, 1877.	Whole State, 1876.		
Accidents (all kinds).....	2.89	2.14	2.41	4.05	3.08	3.52	2.64	2.00	3.10	2.94
Apoplexy and Paralysis.....	4.45	6.43	6.43	13.52	5.76	4.43	3.35	6.03	4.25	4.22
Brain, Diseases of.....	3.28	0.54	4.82	2.70	4.71	3.43	3.45	0.80	3.68	3.75
Cancer.....	2.82	2.67	4.42	2.70	3.14	2.88	2.43	4.02	3.17	2.72
Cholera Infantum.....	3.97	3.74	5.62	1.35	3.14	4.89	3.60	2.01	6.08	6.41
Consumption.....	15.98	12.30	16.47	13.51	10.99	17.51	15.46	18.88	15.52	16.78
Convulsions and Fits.....	2.65	2.67	2.41	4.05	1.57	2.52	2.94	1.61	1.95	2.28
Croup.....	2.20	7.49	1.21	....	3.67	1.91	1.98	2.01	2.28	2.61
Debility.....	1.91	....	0.40	....	1.57	2.91	1.88	1.21	2.65	2.80
Diarrhoea.....	1.25	1.60	1.21	....	1.05	1.30	1.42	....	2.11	1.87
Diphtheria.....	10.28	11.23	11.64	4.05	10.47	8.11	12.42	4.42	11.56	4.07
Dysentery.....	.95	1.07	2.01	....	....	1.30	0.56	2.01	1.22	1.28
Fever.....	3.94	6.96	5.22	6.75	1.05	4.74	2.84	5.62	3.55	3.89
Heart, Diseases of.....	3.92	2.67	4.42	8.10	4.71	2.91	4.21	5.62	4.28	4.25
Hooping Cough.....	1.28	....	0.40	....	....	0.68	2.18	0.40	0.75	1.23
Hydrocephalus.....	1.65	3.21	0.80	....	1.57	1.53	1.98	....	1.29	1.74
Kidneys, Diseases of.....	1.89	2.14	1.21	1.35	1.05	1.61	2.38	0.80	1.57	1.28
Liver, Diseases of.....	1.06	3.74	0.40	4.05	.52	1.07	0.86	0.80	1.06	1.13
Marasmus.....	1.30	1.60	....	....	1.05	0.77	1.98	0.40	0.99	1.18
Pneumonia and Congestion of Lungs.....	7.49	5.85	4.42	4.05	7.85	8.41	7.10	11.24	5.81	8.69
Scarlatina.....	2.08	1.60	2.01	4.05	....	1.07	2.89	1.61	1.46	2.05

It will be understood that the percentages of the preceding Table are calculated on the basis of the whole number of deaths from *specified causes*, in the whole State, and in the several divisions of the State in which the deaths from the several named causes occurred.

The great variations in the percentages of deaths from the same diseases, in the different sections of the State, in the year 1878, and also the variations of one year from another, in the percentages of mortality from the different causes of death in the whole State, in the last three years, are very clearly shown in the above Table.

It should not be forgotten, however, in an examination of the Table, that the percentages are for named causes of deaths reported, as before remarked, and *not in proportion to population*. For instance, in Newport county towns, where but an exceedingly small proportion of the inhabitants are engaged in mechanical industries at all hazardous to life, the percentage of mortality from accidents of all kinds, in 1878, is 4.05, while in Providence county towns, where the population is very largely engaged in manufacturing and other pursuits, where life is exposed to danger, the percentage of the same causes of death is only 3.52. The reason of the larger per cent. in Newport county towns, is not from the large proportion of accidents to the population, but to the small number of deaths. The number of deaths from accidents was only 3, the whole number of deaths from known causes 74, therefore the percentage 4.05. Now if we reckon the proportion of deaths from accident, *to the population*, we shall find that it is less in Newport county towns, than in Providence county towns; that is, as one in every 2,619, in the first, to one in every 1,831 in the last division.

The same may be said of the mortality from apoplexy and paralysis, the percentage of which is greatly in excess, in Newport county towns, of any other division of the State, solely from the fact of the small proportion of deaths to population, from all other causes.

In regard to the general results, for the whole State, in the comparison of one year with another, there will be found some causes of death showing a considerable disparity of percentages, and some maintaining in all the years, an approximately fixed ratio.

In the first class, we shall find cholera infantum, ranging from 3.97 per cent., in 1878, to 6.41 per cent., in 1876.

Diphtheria, showing a percentage of 10.28, in 1878; 11.56, in 1877, and 4.07 per cent., in 1876.

Hooping cough, pneumonia and scarlet fever, show considerable differences in percentage of mortality in the different years.

In the second class, are found apoplexy and paralysis, consumption, fevers of all kinds, diseases of the heart, diseases of the liver, &c.

The comparative results in the different divisions of the State, in 1878, show very marked disparity. Apoplexy and paralysis, as before alluded to, have a remarkably large percentage in Newport county towns, that is, 13.52; more than three times as large as the average of the whole State, which is 4.45, while Providence city has a percentage of only 3.35.

Of diseases of the brain, Bristol county shows only 0.54 per cent., while Kent county reports a proportion of 4.82 per cent.; more than nine times larger than Bristol county.

Cholera infantum ranges from 1.35 per cent., in Newport county towns, to 5.62 per cent., in Kent county.

The smallest percentage from consumption was in Newport city, 10.99; the largest was in Washington county, 18.88. The average of the whole State was 15.98 per cent.

The percentage from croup varied from 0.00, in Newport county towns, and 1.21 in Kent county, to 7.49 in Bristol county.

Diphtheria was more evenly distributed, in 1878, than in 1877, with a less number of deaths. Newport county towns, returning no deaths from that cause in 1877, show a percentage of 4.05, in 1878; and Newport city, which returned only 1.19 per cent. mortality from diphtheria, in 1877, returns 10.47 per cent., in 1878. Providence city reports the largest percentage, 12.42; about one-fifth less than the previous year.

The percentage of deaths from fevers of all kinds, was very small in Newport city, 1.05; and very large in Newport county towns, 6.75; and Bristol county, 6.96. The average of the State is 3.94 per cent.

Diseases of the heart were also largely fatal in Newport county towns, 8.10 per cent; the State average being 3.92 per cent.

The percentage of pneumonia and congestion of the lungs, always a large factor in the mortality of the State, was especially such in 1878, with a percentage of 7.49; though less somewhat than in 1876, when it was 8.69 per cent. The percentages in the different divisions varied from 4.05 per cent., in Newport county towns, to 11.24 per cent., in Washington county.

These comparisons are already sufficiently extended to direct the attention of the reader to the almost endless relations, that causes of death bear to each other, in the same and in different years, and different localities; and if sufficient interest is felt, the subject can be pursued to a very great length.

Appended to this Report will be found the Registration Laws of Rhode Island, Chapter 77, of the General Statutes, as amended June, 1875, and April, 1878, by Chapter 680, of the Public Laws, together

with said Chapter 680, establishing a State Board of Health; and also Chapter 360 of the General Statutes, in relation to Divorces, as amended by said Chapter 680.

It is sincerely to be hoped that the General Assembly will pass an act requiring permits for the burial, or removal of the dead, on presentation of report of death and cause of the same, such as is now in force in Providence city, and in all cities, states and countries, where correct and complete registration is desired and obtained.

In no other way is there any probability that complete reports of death, and causes of death, will ever be secured.

C. H. F.

PROVIDENCE, 1879.

## A P P E N D I X .

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### THE REGISTRATION LAWS OF RHODE ISLAND.

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#### GENERAL STATUTES, CHAPTER 77.

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##### OF THE REGISTRATION OF BIRTHS, DEATHS AND MARRIAGES.

(As amended June, 1875; April, 1878, and March, 1879.)

**SECTION 1.** The town clerks of the several towns, or in lieu thereof, any person whom the board of aldermen of any city, or the town council of any town, may appoint for that purpose, are hereby authorized and required to obtain, chronologically record and index, as required by the forms prescribed by the third section of this chapter, all information concerning births, marriages and deaths, occurring among the inhabitants of their respective towns; and on or before the first Monday of March, annually, to make duly certified returns thereof to the Secretary of the State Board of Health, for each year, ending on the thirty-first day of December, accompanying the same with a list of those individuals, required by law to make returns to him, who have neglected the same, and with such remarks relating to the object of the law, as they may deem important to communicate.

**SEC. 2.** The Secretary of the State Board of Health shall receive the returns made in pursuance of the preceding section, and annually make and publish, not exceeding one thousand copies, a general abstract and report thereof, in form as prescribed by section third of this chapter. The Secretary of State shall then cause said returns to be arranged, full alphabetical indices of all the names to be made, the whole to be bound in convenient sized volumes, and carefully preserved in his office, for which he shall receive the sum of fifty dollars.

**SEC. 3.** The blank forms required to carry out the provisions of this chapter shall, on application, be furnished by the Secretary of the State Board of Health, to clergymen, physicians, undertakers, town clerks, clerks of the Society of Friends, and other persons requiring them, substantially after the following forms, viz.: The record of a birth shall state the date and place of birth, name and sex of the child, whether living or still-born, the name and surname, color, occupation, residence and birth-place of the parents, and the time of recording, so far as the same can be ascertained. The record of a marriage shall state the date of the marriage, place, name, residence, and official station of the person by whom married, names and surnames of the parties, age color, occupation, and residence of each, condition (whether single or widowed), what marriage, if second, third, or other marriage, the occupation, birth-place, and name of their parents, and the time of recording, so far as the same can be ascertained. The record of deaths shall state the date of death, name and surname of deceased, the sex, color, and condition (single or married), age, occupation, place of death, place of birth, names and birth-place of parents, disease, or cause of death, and the time of recording, so far as can be ascertained.

OF MARRIAGES.

SEC. 4. Every Society of Friends, clergymen and all others, authorized to join persons in marriage, shall make a faithful record of every such rite performed by them, in manner and form aforesaid, and return the same on or before the second Monday of every month, for the last preceding month, to the clerk of the town in which such rite shall have been performed; and no marriage shall be solemnized until the parties shall have signed and delivered to the authority about to solemnize it, or to the clerk of a Society of Friends, a certificate containing the information required for the record of a marriage, as prescribed in the third section of this chapter.

OF BIRTHS.

SEC. 5. The clerk of every town, or in lieu thereof, some person or persons whom the town council of any town, or the board of aldermen of any city, shall appoint for the purpose, shall, annually, in the month of January, collect the facts required by section third of this chapter, in relation to all children born in the town during the year ending the thirty-first day of December next preceding, and for each full report of a birth so obtained, the clerk shall receive ten cents, to be paid by the town in which the birth is recorded.

OF DEATHS.

" Whenever any person shall die or any still-born child shall be brought forth in this State, it shall be the duty of the physician attending at such bringing forth or last sickness, if any physician so attended, within forty-eight hours after such death or bringing forth, to leave with the family, if any, or person having the care of the deceased or the person bringing forth such still-born child, or to give to the undertaker or person who conducts the funeral, a certificate stating, in case of a death, the name of the deceased, the date of the death and the disease or cause of the death, and in case of the bringing forth of a still-born child, the date and the cause of such child being brought forth still-born."

OF UNDERTAKERS.

SEC. 7. There may be appointed, by the town authorities of every town, a sufficient number of persons to act as undertakers, removable at the pleasure of the authorities.

SEC. 8. The undertaker, or the person who shall conduct a funeral, or who shall bury or deposit in a tomb, or who shall remove from this State or otherwise dispose of the remains of any deceased person or still-born child, shall first obtain the physician's certificate required by section 6 of this chapter, if a physician was in attendance upon such person who has deceased, or the person bringing forth such still-born child, and shall return the same, together with his own certificate of the facts required by section 8, as hereby amended, on or before the second Monday of the next succeeding month to the clerk of the town where such death or bringing forth took place.

SEC. 9. Any town may enact municipal laws, more effectually to attain the objects herein contemplated: *Provided*, they do not conflict with the main and specific object of this act, viz.: to procure the most perfect registration.

OF FEES.

SEC. 10. The town clerks, or persons recommended and appointed as aforesaid, shall receive for each record of a death made and returned as required by law, and for each record of a marriage made and returned as required by law, twenty cents, to be paid to them out of their respective town treasuries; *Provided*, that the yearly compensation to be paid out of the town treasury as aforesaid, to any one town clerk or person appointed as aforesaid, who shall faithfully perform the duties prescribed by this chapter, shall not be less than five dollars. Undertakers and others making returns of deaths as required in section eight of this chapter shall receive for each full report of a death made to the town clerk, five cents in the cities of Providence or Newport, and ten cents in the other towns of the State.

SEC. 11. If any clergymen, physician, undertaker, town clerk, clerk of any meeting of the Society of Friends, or other persons, shall willfully neglect or refuse to perform any of the duties im-

posed on, or required of him, by this chapter, he shall, at the discretion of the court trying the cause, be fined not exceeding twenty dollars for each offence, one-half thereof to the use of the town in which the offence shall occur, the other half to the use of the person who shall complain of the same.

SEC. 12. In order that it may be more surely ascertained that no clergyman, physician, coroner, undertaker, or clerk of the Society of Friends, neglects to make the returns specified in this chapter, each of the said parties shall cause his name and residence to be recorded in the clerk's office of the town where he resides.

SEC. 13. No letters of administration, or letters testamentary, shall be granted by any court of probate, upon the effects or estate of any person, until the death of such person, or the facts from which the same is presumed, shall be duly certified, as near as may be, to the town clerk, in order that the same may be duly registered according to the provisions of this chapter.

SEC. 14. The person appointed as provided in section 1 of this chapter, shall be entitled to have the custody of all records of births, deaths or marriages of the town or city for which he is appointed, whether made under the statute now in force or any former statute, and a certificate signed by him as town or city registrar certifying that any written or printed statement of any marriage, birth or death is a true copy of the record in his custody, shall be admitted as *prima facie* proof of such marriage, birth or death.

SEC. 15. Births, marriages, and deaths of non-residents, shall be distinguished from those of residents, in the returns, by being arranged separately.

SEC. 16. The Secretary of the State Board of Health may, from time to time, vary the forms of returns, and require such additional information as he may consider necessary, to effect the object of this chapter.

SEC. 17. *Repealed January Session, 1878.*

SEC. 18. The town clerks or other officers appointed under this chapter, to collect, record, and return the births in the several towns, shall receive fees therefor as follows: For collecting the facts required in relation to births, fifteen cents each; for making record and return of these facts as required by law, twenty cents each for the first fifty entries in each calendar year, and ten cents each for each subsequent entry and return.

SEC. 19. The returns required to be made by clerks of the supreme court, in relation to divorces, to the Secretary of the State Board of Health, or a prepared abstract thereof, shall be published in the annual report upon the births, marriages, and deaths in the State.

## CHAPTER 360.

### AN ACT IN ADDITION TO CHAPTER 187 OF THE GENERAL STATUTES "OF THE CLERKS OF THE SUPREME COURT AND COURT OF COMMON PLEAS."

(As amended April 1878.)

*It is enacted by the General Assembly as follows:*

SECTION 1. It shall be the duty of the clerks of the Supreme Court, in the several counties, on or before the first day of March, in each and every year, to make returns to the Secretary of the State Board of Health for the year ending on the thirty-first day of December preceding, of all the applications for divorce, showing the number, the number granted, and the causes which are given for the application, but without the names of the parties, in accordance with the blanks which shall be furnished them by the Secretary of the State Board of Health.

## PUBLIC LAWS, CHAPTER 680.

## AN ACT TO ESTABLISH A STATE BOARD OF HEALTH.

(Passed April 12, 1878)

*It is enacted by the General Assembly as follows:*

SECTION 1. The Governor, with the advice and consent of the Senate, shall appoint six persons, two from the county of Providence, and one from each of the other counties, who shall constitute the State Board of Health. Of the persons so appointed, at least three shall be well educated physicians and members of some medical society incorporated by this State. The Governor may remove any member for cause, at any time, upon the written request of two-thirds of the board.

SEC. 2. The six persons first appointed shall be appointed for one, two, three, four, five and six years, respectively, and hereafter, the Governor, with the advice and consent of the Senate, shall appoint one member of the board annually, for the term of six years from the first day of July. Any appointment to fill a vacancy shall be for the remainder of the term.

SEC. 3. The board shall take cognizance of the interests of life and health among the citizens of the State; they shall make investigations into the causes of disease, and especially of epidemics and endemic among the people, the sources of mortality, and the effects of localities, employments, conditions and circumstances on the public health, and shall faithfully do all in their power to ascertain the causes and the best means for the prevention of diseases of every kind in the State. They shall publish and circulate, from time to time, such information as they may deem to be important and useful for diffusion among the people of the State, and shall investigate and give advice in relation to such subjects relating to the public health, as may be referred to them by the General Assembly, or by the Governor when the General Assembly is not in session.

SEC. 4. The State Board of Health shall also investigate the subject of diseases among cattle or other animals, and perform all the duties which have been delegated to the Board of Cattle Commissioners, in chapter 76, of the General Statutes of the State.

SEC. 5. Section 3, of chapter 76, of the General Statutes, is hereby repealed, and the Board of Cattle Commissioners, heretofore constituted under authority of said section, is hereby abolished.

SEC. 6. In every section of chapter 76, of the General Statutes, where the word "commissioners" occurs, it shall be construed to mean State Board of Health.

SEC. 7. The State Board of Health shall receive the returns of births, marriages, deaths and divorces, and shall prepare the annual report upon the registration of the same as now required by law; but after the report is prepared, the returns shall be deposited in the office of the Secretary of State, to be bound and indexed by him as heretofore.

SEC. 8. Wherever the words "Secretary of State" occur in sections 1, 2, 3, 16 and 19, of chapter 77, of the General Statutes, they shall be construed to mean Secretary of the State Board of Health, and in the sixth line of section 2, of said chapter, the word "he" shall be construed to mean Secretary of State. Section 17, of chapter 77, of the General Statutes, is hereby repealed.

SEC. 9. The board shall meet in the city of Providence once in three months, and as much oftener as they may deem necessary. No member of the board, except the secretary, shall receive any compensation for his services; but the actual personal expenses of any member, while engaged in the duties of the board, shall be paid by the State.

SEC. 10. The board shall elect a well qualified physician as their secretary.

SEC. 11. The secretary shall perform and superintend the work prescribed in this law, and such other duties as the board may require, and he shall receive such salary, not in excess of twelve hundred dollars per annum, as the board may determine. He shall hold his office at the pleasure of the board, but may be removed at any regular meeting by a majority vote of the members thereof.

SEC. 12. The Governor shall provide a suitable office for the board in the city of Providence, and the actual expenses of the board and of the members thereof, when certified by the chairman and approved by the Governor, shall be paid from the treasury of the State.

SEC. 13. The board shall make a report in print to the General Assembly, annually, in the month of January, of its proceedings during the year ending on the thirty-first day of December next preceding, with such suggestions in relation to the sanitary laws and interests of the State as they shall deem important.

SEC. 14. All acts and parts of acts inconsistent herewith are hereby repealed.

SEC. 15. The several town councils and boards of aldermen shall still be *ex-officio* Boards of Health in their respective towns, as is now by law provided. *Provided, however,* that the city council of any city may appoint a Board of Health for such city, which shall have all the powers and duties now conferred by law upon the board of aldermen as a Board of Health.

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## SYNOPSIS OF THE LAW OF MARRIAGE IN RHODE ISLAND.

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### TITLE XX, CHAPTER 149, GENERAL STATUTES.

SECTIONS 1, 2 and 3 show what kindred persons cannot marry, and declare marriages, within prohibited degrees, null and void.

SECTION 4 makes an exception in favor of Jews, within the degrees of affinity allowed by their religion.

SECTION 5 declares the marriage of persons having a husband or wife living, and of idiots or of lunatics, absolutely void.

SEC. 6. "All marriages between a white person and a negro, Indian, or mulatto, shall be absolutely null and void; and the person joining them in marriage, shall be subject to a penalty of two hundred dollars."

SEC. 7. "Any ordained minister or elder of any religious denomination, who shall be *domiciled* in this State, and either Justice of the Supreme Court, may join persons in marriage in any town of the State." It will be seen that clergymen from other States *cannot solemnize marriages* in Rhode Island. Marriages solemnized in Rhode Island, by clergymen living out of the State, are null and void.

SEC. 8. "Wardens in the town of New Shoreham may join persons in marriage in said town."

SECTIONS 9 and 11 declare, that no minister, elder, or magistrate shall join persons in marriage unless he has *previously* received a certificate, *signed by the parties themselves*, giving the information required by law,—under a penalty of imprisonment not exceeding six months, or a fine not exceeding one thousand dollars.

SECTION 10 forbids marriages when lawful objection is made in writing, until such lawful objection is removed.

SECTIONS 11, 12 and 13 state the penalty for marrying persons who are already married; and the penalty for being married contrary to the provisions of the act.

SEC. 14. "The solemnization of marriage shall be in the presence of two witnesses at least, besides the minister, elder or magistrate officiating."

SECTIONS 15 and 16 relate to marriages among Quakers or Friends, and among Jews, making them valid if in accordance with the forms, rites and ceremonies of the same, respectively.

~~15~~ The attention of clergymen is especially called to this synopsis of the Marriage Law. Some of the provisions are not unfrequently violated. The Registration Law of Rhode Island requires clergymen to make returns of all marriages to the Town Clerk or Registrar of the town, on or before the second Monday of the month succeeding the date of the marriage.

